MARINE DISTRESS SIGNALS

PainsWessex
MARINE DISTRESS SIGNALS

LIFESMOKE MK9

Compact, flat-top day-time orange smoke distress signal providing effective position marking or indication of wind direction during rescue operations.

Code: MM PSW 9537000

MANOVERBOARD MK9

Combined light and smoke Man Overboard Lifebuoy marker.

Code: MM PSW 9537800

LINETHROWER 250

Self-contained rocket propelled linethrowing appliance.

Code: MM PSW 50200

LINETHROWER 250 ROCKET

Linethrower 250 replacement Rocket.

Code: MM PSW 50080

LINETHROWER 250 BODY AND LINE

MED & SOLAS Approved linethrower. Plastic line container with integral striker. 250 m of 4 mm Ø line.

Code: MM PSW 50070

BUOYSMOKE MK8

Man overboard Lifebuoy Marker. Produces 15 minutes of orange smoke without light system.

Code: MM PSW 53830

RED HANDFLARE MK8

Unique, compact, telescopic handle allows easy extension for sale operation and saves space in stowage. Short range distress signal.

Code: MM PSW 52900

PARA RED ROCKET MK8A

Para Red Rocket conforms to SOLAS 74/88. A long range distress signal.

Code: MM PSW 50672

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MARINE DISTRESS SIGNALS

PainsWessex
MARINE DISTRESS SIGNALS

LARGE POLYBOTTLE

12 litre Polybottle - Waterproof storage bottle for flares.

Code: MM PSW 9569000

GRAB BAG

Buoyant, splash-proof emergency bag to store your safety equipment.

Code: MM PSW 87-400

SIGNAL PISTOL CALIBRE 4 (26,5 MM)

Signal Pistol Calibre 4 (26,5 mm). Classified as firearm can be used for flare stack lighting.

Code: MM PSW 9129300

SIGNAL CARTRIDGE CALIBRE 4 (26.5MM)

Red cartridge = distress signal
White cartridge = collision warning
Green cartridge = general signalling

Code: MM PSW 9182000 (red)
MM PSW 9182100 (white)
MM PSW 9182200 (green)

PARACHUTE SIGNAL CARTRIDGE CAL.4/26.5MM

For signal pistol calibre 4 (26,5 mm)

Code: MM PSW 9122600 (red parachute)
MM PSW 9122700 (white parachute)
MM PSW 9122500 (maroon)

HANDSMOKE MK8A

Daytime, hand-held distress signal. Produces dense orange smoke for 60 seconds.

Code: MM PSW 53930

COMPACT DISTRESS SIGNAL

Aerial distress signalling kit. Contains 3 red cartridges and an integral launcher.

Code: MM PSW 55666

PERSONAL DISTRESS SIGNAL

Aerial distress signalling kit. Contains 9 red cartridges and a launcher.

Code: MM PSW 55665

WHITE HANDFLARE MK8

Designed for use as a collision warning signal or for illuminating small areas where an intense white light is required. Features a unique telescopic handle which makes the signal compact and saves space in stowage.

Code: MM PSW 52751

MINI POLYBOTTLE

Mini Polybottle (water resistant) 3 litre capacity. For flares storage.

Code: MM PSW 9870050

PARACHUTE ILLUMINATING ROCKET MK8

The parachute illuminating rocket is used in search and rescue operations at night or for collision warning.

Code: MM PSW 50755

DAY AND NIGHT MK8

Compact, hand held distress signal consisting of a red flare at one end and an orange smoke at the other.

Code: MM PSW 55970

MANSUETO MARINE

**Technical data sheets for both SOLAS (Commercial) and
Non-SOLAS (Leisure & Aviation) distress signals available on request.**

You need to get rid of your expired signals?

Our Safety Department can take them back and arrange their disposal
in compliance with the current environmental regulations.
A Certificate declaring the accomplishment of a safe disposal service will be issued.

BLACK INFLATABLE BALL Ø 400 mm

Does not occupy space when deflated; to be hoisted when the boat is anchored; if there is no steering 2 balls shall be mounted.

Code: MM OSC 3065400

BLACK SIGNAL BALL Ø 300 mm

Made of anti-glare black polycarbonate , to be hoisted during day light when the boat is anchored; if there is no steering 2 balls shall be mounted vertically.

1 - at anchor
2 - no steering
3 - aground
4 - danger (using any square flag)

Code: MM OSC 3065000

BLACK SIGNAL CONE HEIGHT 470 mm

Made of anti-glare black polycarbonate, designed to be fitted onto the bow when the boat navigates simultaneously using the sail and the motor. Sail and motor propulsion.

Code: MM OSC 3065100

MIRROR SIGNAL HELIOGRAPH Ø 85MM

Made of shatter-proof chromed plastic.

Codes: MM OSC 3063000FR Instruction language French
MM OSC 3063000IT Instruction language Italian
MM OSC 3063000SP Instruction language Spanish

NET TYPE DAY-MARK SIGNALS

Codes: MM VEL 03090/RETE   Black signal cone H. 620mm
MM VEL 03091/RETE   Black signal bi-cone H. 620mm
MM VEL 03092/RETE   Black signal ball Ø 620mm
MM VEL 03093/RETE   Black signal sphere H. 620mm

EVERY MONTH FIND ON LINE THOUSANDS OF
NEW BRANDS AND PRODUCTS
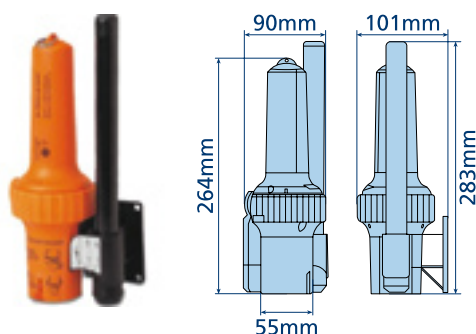
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SART

mcmurdo

S4 RESCUE SART

- Search & Rescue Transponder
- 9GHz X-band Radar transceiver
- Designed for assisting air/sea ship or survival craft rescue operations in accordance with IMO, GMDSS requirements
- Extremely simple to use, compact, lightweight, buoyant
- Can be operated even with gloved or wet hands
- Audio/visual indication of operation
- Built-in test facility
- Integral lanyard
- Mounting options – internal/external
- Replaceable, 5 year battery pack
- Waterproof up to 10 metres
- Standby mode duration: over 96 hours
- Operating temperature: -20° C to +55°C
- Storage temperature: -30°C to +65°C

90mm   101mm

264mm   283mm

55mm

Weight:
360g (without mast or bracket)
510g (with mast)
530g (with mast & bracket)

Dimensions: L.264mm x D.90mm

Code: MM MCM 86300004

mcmurdo

SMARTFIND S5 AIS SART

- Automatic Identification System Search & Rescue Transmitter
- Internationally approved
- Intended for use on life rafts or survival craft
- It meets IMO SOLAS requirements; alternative to a Radar SART
- Built-in high precision GPS
- Easy to operate, rugged, compact, lightweight, buoyant
- Visual indication of operation
- Built-in test facility
- Integral lanyard
- 96 hour operational battery life (6-year life)
- Mounting options – internal/external
- Waterproof up to 10 metres
- Operating temperature: -20° C to +55°C
- Storage temperature: -30°C to +70°C
- Comes complete in its own carry case

Weight:
10g (main unit)
450g (including pole)
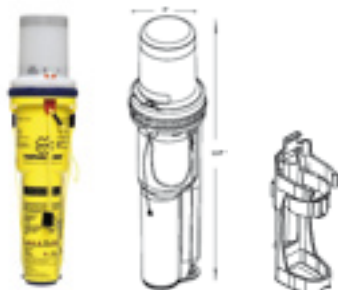940g (packed)

Dimensions:
H.330mm x W.85mm (main unit)
155 cm LOA including pole
H.390mm x D.80mm x W.150mm (packed)

Code: MM MCM 92-001-001A

PATHFINDER 3 SART

- Search & Rescue Transponder
- Complies with GMDSS, IMO/SOLAS standards
- Unit transmits through the 9.2-9.5 GHz band marine radar when interrogated by radar
- Compact unit easily packs into liferaft
- Visual/audible feedback confirming operational status
- Quick release mounting bracket included
- 1mt collapsible pole stowed inside case
- 10mt (33ft) lanyard
- Standby mode duration: 96 hours
- High impact polystyrene case
- Hi-Viz yellow
- Deployment: manual
- Battery: lithium, 5-year replacement life
- Waterproof up to 10 metres
- Weight: 680g (24 oz)
- Dimensions: H.31.8 cm x W.7.6 cm (12.5" x 3")

Code: MM ACR 2714NH

SEASAFE S100 SART

- SafeSea S100 Search and Rescue Transponder
- Superior battery life - even at -20°C
- User replaceable battery
- Non Hazardous battery
- 5 year replacement interval
- Compact size for easy liferaft packing
- Supplied complete with telescopic pole and storage bracket

Frequency range	9.2-9.5GHz
Radiated output power	>26dBm eirp
Operating Temperature Range	-20°C to +55°C
Storage Temperature Range	-30°C to +70°C
Waterproof	>10metres at +20°C
Height	227mm
Body Diameter (max)	65mm (82mm)

Code: MM OCG S100

SARTs specifications sheets, products manuals, Certificates of approvals available on request.

For your telephone orders .... +39 0184 573346 press #1

E-mail orders and estimates.......... sales@mansuetomarine.it
Technical support.......... technical@mansuetomarine.it
Product Support & Data-Sheets.......... service@mansuetomarine.it
General Inquiries.......... info@mansuetomarine.it

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EPIRB

mcmurdo

SMARTFIND/E5 406 MHz EPIRB (MANUAL BRACKET) - STANDARD VERSION*

- Internationally Approved
- Transmits on 406 and 121.5MHz
- Non hazardous battery for safe and easy transportation
- Unique CARRYSAFE bracket available for safe transportation
- High brightness LED flashing locator light
- 60 comprehensive diagnostic and self-tests during battery life
- Once activated, will transmit for a minimum of 48 hours
- 5 year battery life
- 5 year warranty
- Once removed from its CARRYSAFE manual bracket the unit can be activated automatically by immersion in water or manually by following the activation instructions on the unit.

Code: MM MCM E5MB

*PLUS version also available: SMARTFIND PLUS/G5 406 GPS MHz EPIRB (MANUAL BRACKET)

Same advanced features of standard Smartfind/E5 + built-in GPS receiver.
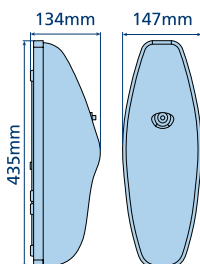Hi performance multi-channel integral GPS giving a typical location accuracy of less than +/- 62 m.
GPS uses an array of 27 satellites and provides continuous positional information with a typical accuracy of around 30m.

Code: MM MCM G5MB

mcmurdo

SMARTFIND/E5 406 MHz EPIRB (AUTO FLOAT FREE HOUSING) – STANDARD VERSION*

- Internationally Approved
- Transmits on 406 and 121.5MHz
- High performance multi-channel integral GPS giving a typical location accuracy of less than +/- 62 m (Plus version)
- Non hazardous battery for safe and easy transportation
- Unique CARRYSAFE bracket available for safe transportation
- High brightness LED flashing locator light
- 60 comprehensive diagnostic and self-tests during battery life
- Once activated, will transmit for a minimum of 48 hours
- 5 year battery life
- 5 year warranty
- The Auto Float Free Housing will automatically deploy the EPIRB when submerged to a depth lower than 2 - 4metres in the sea.

134mm   147mm

435mm

Code: MM MCM E5AFFH

*PLUS version also available: SMARTFIND PLUS/G5 GPS EPIRB (AUTO FLOAT FREE HOUSING)

Same advanced features of standard Smartfind/E5 with Auto Float Free Housing + built-in GPS receiver.
Hi performance 12-channel integral GPS giving a typical location accuracy of less than +/- 62 m for enhanced position location.

Code: MM MCM G5AFFH

MANSUETO MARINE

TRON 40S MKII - FLOAT FREE GMDSS EPIRB

- Battery: Lithium metal, 7,2V/7200 mAh, 5 years service life
- Materials: Glass-reinforced Polycarbonate
- Compass safe distance: 1.5m
- Temperature range:
  -20°C to + 55°C (operating)
  -30°C to +65°C (storage)
- Operating life: Minimum 48 hours at -20°C
- Antenna: Omni directional
- Cospas-Sarsat Transmitter:
  Frequency: 406.037 MHz
  Output power: 5W
- Homing transmitter:
  Frequency: 121.500 MHz
  Output power: Up to 100 mW
- Protocols: Maritime, Serialized, Radio Call sign
- Nav. device: 12 Channel GPS Receiver (Tron 40GPS mkII)

Accessories:
- Brackets: Float-free: FB-6
- Float-free with heating: FBH-4
- Battery: Replacement kit
- Hydrostatic release: HRU kit

Dimensions:
- Height: 379 mm
- Diameter: 180mm

- Weight: 2 Kg
- Warranty: 5 years

Code: MM JOR 83050 (complete main unit)

TRON 60S - FLOAT FREE GMDSS EPIRB

- Battery: Lithium metal, 12V/2900 mAh, 5 years service life
- Materials: Glass reinforced Polycarbonate
- Compass safe distance: 1 m
- Temperature range:
  Operating: -20°C to + 55°C
  Storage: -30°C to +65°C
- Operating life: Minimum 48 hours at -20°C
- Antenna: Omnidirectional
- Cospas-Sarsat Transmitter:
  Frequency: 406.037 MHz
  Output power: 5W
- Homing transmitter:
  Frequency: 121.500 MHz
  Output power: Up to 100 mW
- Protocols: Maritime, Serialized, Radio Call sign
- Navigation device: 22 Channel GPS Receiver (Tron 60GPS)

Accessories:
- Brackets: Float-free: FB-60
- Manual: MB-60
- Battery: Replacement kit
- Hydrostatic release: HRU kit

Dimensions:
- Height: 340 mm
  Diameter: 128mm

- Weight: 680 g
- Warranty: 5 years

Code: MM JOR 83310 (W/Float-free bracket)

GLOBALFIX™ IPRO 406 MHZ GPS EPIRB CAT I*

- Model RLB-36
- Category I – Hydrostatic release (auto)
- Transmits on 406 MHz and 121.5 MHz
- Digital display
- Dual GPS technology: internal 66 channels; external GPS connection
- 5 Year Non hazardous lithium batteries
- Professional grade design, ergonomic, compact
- High impact UV resistant polymer

- Higly visible LED strobe – Energy efficient
- Self-test results
- Operational life: 48 hours minimum at -20°C
- 5 year warranty

  Accessories:
- Automatic Category I Sea Shelter™3 bracket (P/N 9501) is fully enclosed; made of high density, UV-stabilized polyethylene
- Cat I HydroFix™ HRU (P/N 9490)

Code: MM ACR 2846.0

*Cat II also available: GlobalFix™ iPRO 406 MHz GPS EPIRB CAT II

Same advanced features of GlobalFix™ iPRO 406 MHz GPS EPIRB Cat I but manual release.
Accessory: Manual Category II LowPro™3 (P/N 9502). Low profile; 2-part design for easy mounting and quick removal when needed.

Code: MM ACR 2848.0

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EPIRB

ACR

SATELLITE 3 406™ 406 MHZ CAT I*

- Model RLB-38
- Category I – Hydrostatic release (auto)
- Transmits on 406 MHz and 121.5 MHz
- Upgrade to GPS positioning with the optional GPS interface cable (sold separately)
- This connects the Satellite 3 406™ to your vessel's GPS receiver
- Non hazardous lithium batteries
- Professional grade design, ergonomic, compact
- High impact UV resistant polymer
- Highly visible LED strobe – Energy efficient
- Audio/visual indicators – Shows active transmission

- Full functional self-test
- Single, 3-position switch for easy test and operation
- Operational life: 48 hours minimum @ -20°C
- 5 year battery life
- 5 year warranty

Accessories:
- Automatic Category I Sea Shelter™3 bracket (P/N 9501)
- Cat I HydroFix™ HRU (P/N 9490)
- Optical GPS Interface Cable Cat I (P/N 9388.1)

Code: MM ACR 2874
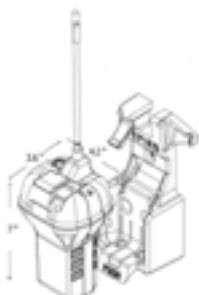
*Cat II also available: Satellite 3 406™406 MHz CAT II

Same advanced features of Satellite 3 406™ 406 MHz CAT I but manual release.

Accessories:
- Manual Category II QuickDraw™ (P/N 9507). Low profile; easy to rail mount or secure on deck.
- Optical GPS Interface Cable Cat II (P/N 9388)

Code: MM ACR 2875

HAMMAR®

HYDROSTATIC RELEASE UNIT FOR EPIRBS – H20E

- Should the vessel sink, the Hammar H20, which is activated by increasing water pressure, will automatically release the EPIRB.
- Made of glassfibre reinforced nylon
- Use only manufacturer approved replacement bolt (rod)
- Bolt securing the EPIRB will be cut when the release unit is activated.
- It needs no annual service, maintenance or spare parts
- Simply replace it every 2 years together with its bolt
- Meets SOLAS requirements/ USCG approved

Code: MM HMM H20E

mcmurdo

BREAKTHRU HYDROSTATIC RELEASE UNIT FOR EPIRB

- Smaller than other HRUs currently available
- Used to enable EPIRBs to automatically float free
- The pyrotechnic charge is used to activate the HRU when it is submerged in water < 13 feet
- Complies with SOLAS and IMO regulations

Code: MM MCM 82962001A

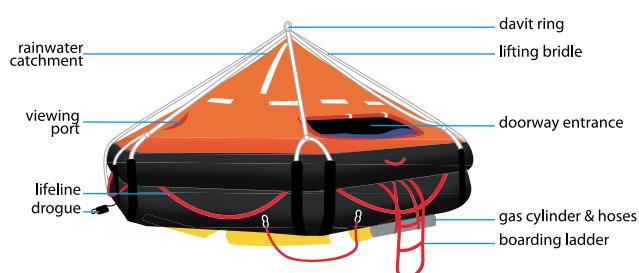## Our Safety Department can take care of your old SARTs, EPIRBs and HRUs disposal service.

MANSUETO MARINE
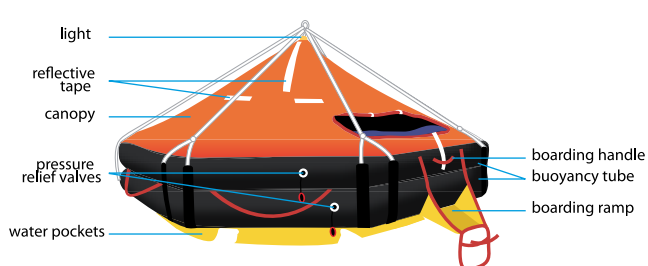
LIFERAFTS

## RFD SURVIVA - SOLAS APPROVED LIFERAFTS

FRONT VIEW

- rainwater catchment
- viewing port
- lifeline
- drogue
- davit ring
- lifting bridle
- doorway entrance
- gas cylinder & hoses
- boarding ladder

BACK VIEW

- light
- reflective tape
- canopy
- pressure relief valves
- water pockets
- boarding handle
- buoyancy tube
- boarding ramp

Liferafts are stowed in a glass reinforced plastic (GRP) container. Surviva range includes two different models:
- standard throw-over liferafts
- davit-launched liferafts

MK10 CYLINDRICAL CONTAINER
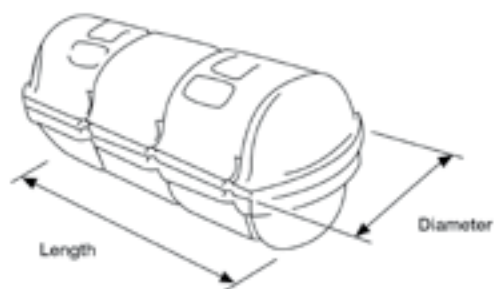
SOLAS **A** PACK			
Rated Capacity	Length *mm*	Diameter *mm*	Weight Approx Operational *Kg*
6	1260	485	76
8	1260	485	80
10	1385	535	100
12	1385	535	109
16	1530	530	137
20	1635	585	158
25	1635	585	178
12 DL	1385	535	114
16 DL	1530	530	139
20 DL	1635	585	160
25 DL	1635	585	183

SOLAS **B** PACK			
Rated Capacity	Length *mm*	Diameter *mm*	Weight Approx Operational *Kg*
6	1160	435	57
8	1160	435	57
10	1260	485	80
12	1260	485	85
16	1390	535	103
20	1540	530	109
25	1540	530	128
12 DL	1260	435	90
16 DL	1390	535	107
20 DL	1540	530	120
25 DL	1540	530	133

RFD

MK14 CYLINDRICAL CONTAINER
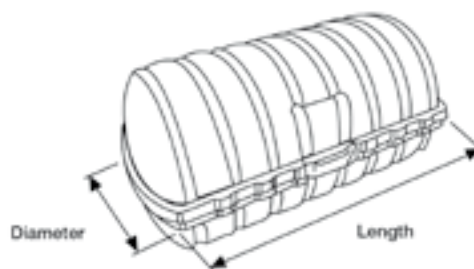
SOLAS **A** PACK			
Rated Capacity	Length mm	Diameter mm	Weight Approx Operational Kg
6	1066	556	76
10	1156	584	99
12	1156	584	106
16	1308	685	144
20	1308	685	160
25	1308	685	180
12 DL	1156	584	113
16 DL	-	-	-
20 DL	1308	685	163
25 DL	1308	685	185

SOLAS **B** PACK			
Rated Capacity	Length mm	Diameter mm	Weight Approx Operational Kg
6	1066	556	57
10	-	-	-
12	1156	584	79
16	1156	584	101
20	1156	584	106
25	1308	685	130
12 DL	1156	584	92
16 DL	1156	584	106
20 DL	1308	685	123
25 DL	1308	685	135

RFD

FLAT PACK CONTAINER
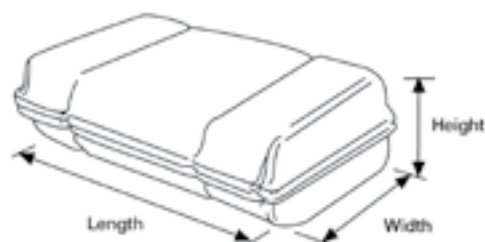
SOLAS **A** PACK				
Rated Capacity	Length mm	Width mm	Height mm	Weight Kg
6	985	670	435	76
8	985	670	435	86
10	1190	650	315	101
12	1190	650	315	110
20 DL	1525	829	505	160
25 DL	1525	820	505	183

SOLAS **B** PACK				
Rated Capacity	Length mm	Width mm	Height mm	Weight Kg
6	900	646	310	57
8	985	670	435	62
10	1190	650	315	85
12	1190	650	315	90
20 DL	-	-	-	-
25 DL	1525	820	505	153

Contact our Sales Department at sales@mansuetomarine.it to get our best quote for your new liferafts

**ROUND CONTAINER 6 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK**
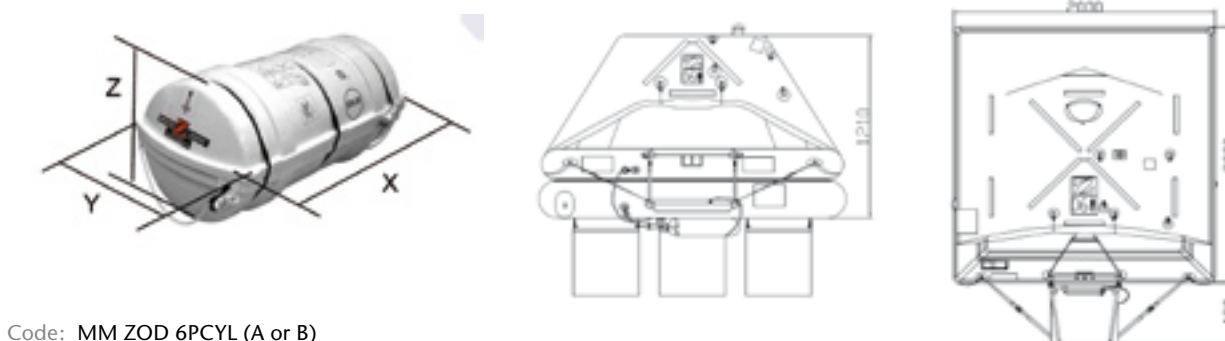
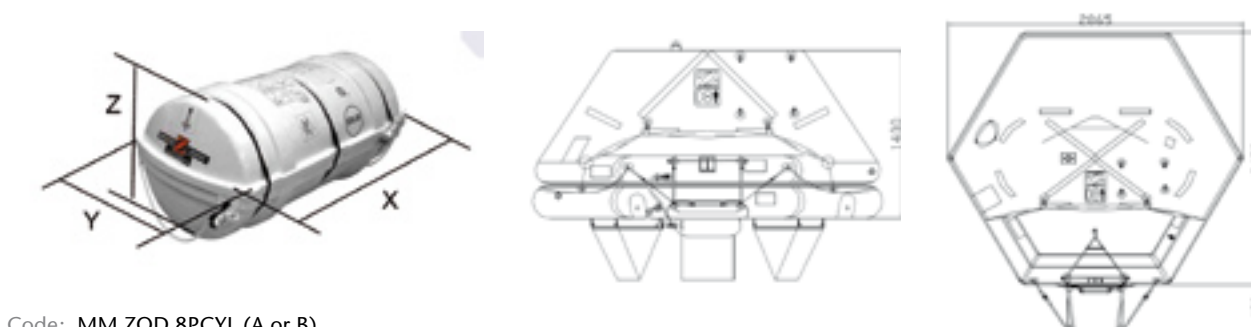Code: MM ZOD 6PCYL (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N12	N11
Dimensions	X: 1160 mm Y: 560 mm Z: 513 mm X: 3 ' 9,67 '' Y: 1 ' 10,05 '' Z: 1 ' 8,2 ''	X: 1020 mm Y: 476 mm Z: 440 mm X: 3 ' 4,16 '' Y: 1 ' 6,75 '' Z: 1 ' 5,33 ''
Liferaft Net Weight	68 kg / 150 pounds	52 kg / 115 pounds
Height stowage	25 m / 83' 36 m / 119'	25 m / 83' 36 m / 119'
Painter line length	35 m / 115' 50 m / 165'	35 m / 115' 50 m / 165'
Inflation Cylinder	1 x 4 liter	
APPROVALS:	EC (MED) – USCG – TC – RMRS – BV – CCS	

**ROUND CONTAINER 8 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK**

Code: MM ZOD 8PCYL (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N12	N12
Dimensions	X: 1160 mm Y: 560 mm Z: 513 mm X: 3 ' 9,67 '' Y: 1 ' 10,05 '' Z: 1 ' 8,2 ''	X: 1160 mm Y: 560 mm Z: 513 mm X: 3 ' 9,67 '' Y: 1 ' 10,05 '' Z: 1 ' 8,2 ''
Liferaft Net Weight	77 kg / 170 pounds	58 kg / 128 pounds
Height stowage	25 m / 83' 36 m / 119'	25 m / 83' 36 m / 119'
Painter line length	35 m / 115' 50 m / 165'	35 m / 115' 50 m / 165'
Inflation Cylinder	1 x 6,7 liter	
APPROVALS:	EC (MED) – USCG – TC – RMRS – BV – CCS	

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ROUND CONTAINER 10 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK

Code: MM ZOD 10PCYL (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N13	N12
Dimensions	X: 1275 mm Y: 610 mm Z: 590 mm X: 4 ' 2,2 '' Y: 2 ' 0,02 '' Z: 1 ' 11,23 ''	X: 1160 mm Y: 560 mm Z: 513 mm X: 3 ' 9,67 '' Y: 1 ' 10,05 '' Z: 1 ' 8,2 ''
Liferaft Net Weight	92 kg / 203 pounds	63 kg / 139 pounds
Height stowage	25 m / 83' 36 m / 119'	25 m / 83' 36 m / 119'
Painter line length	35 m / 115' 50 m / 165'	35 m / 115' 50 m / 165'
Inflation Cylinder	1 x 6,7 liter	
APPROVALS:	EC (MED) – USCG – TC – RMRS – BV – CCS	

ROUND CONTAINER 12 MAN THROW OVER BOARD LIFERAFT (NG)
SOLAS A & B PACK
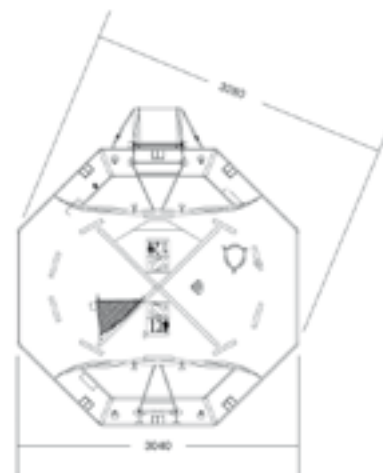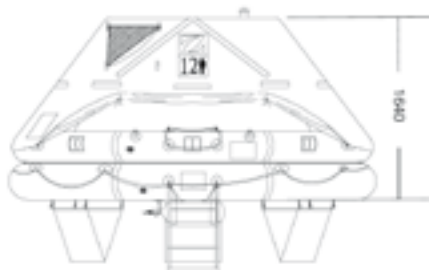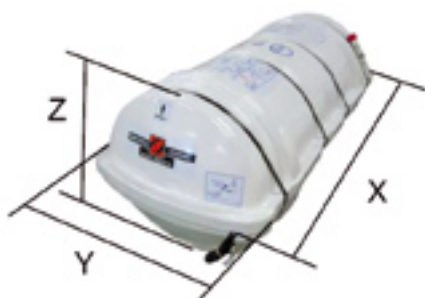
Code: MM ZOD 12PCYL (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N13	N12
Dimensions	X: 1275 mm Y: 610 mm Z: 590 mm X: 4 ' 2,2 '' Y: 2 ' 0,02 '' Z: 1 ' 11,23 ''	X: 1160 mm Y: 560 mm Z: 513 mm X: 3 ' 9,67 '' Y: 1 ' 10,05 '' Z: 1 ' 8,2 ''
Liferaft Net Weight	101 kg / 223 pounds	70 kg / 155 pounds
Max Height stowage	36 m / 119'	25 m / 83 '
Painter line length	50 m / 165'	35 m / 115 '
Inflation Cylinder	1 x 8 liter	
APPROVALS:	EC (MED) – USCG – TC – RMRS – BV	

MANSUETO MARINE

ROUND CONTAINER 16 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK
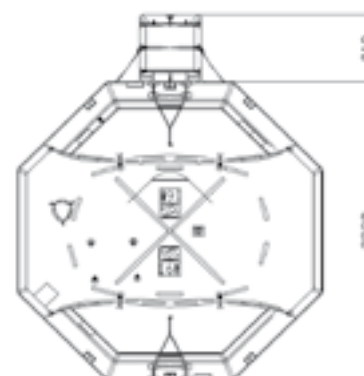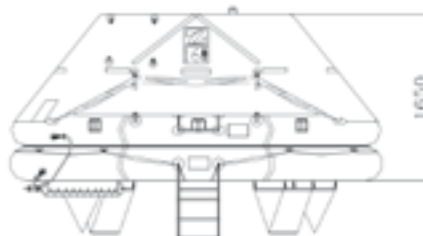
Code: MM ZOD 16PCYL (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N14	N13
Dimensions	X: 1275 mm Y: 680 mm Z: 615 mm X: 4 ' 2,2 " Y: 2 ' 2,78 " Z: 2 ' 0,22 "	X: 1275 mm Y: 610 mm Z: 590 mm X: 4 ' 2,2 " Y: 2 ' 0,02 " Z: 1 ' 11,23 "
Liferaft Net Weight	129 kg / 285 pounds	91 kg / 201 pounds
Height stowage	25 m / 83' 36 m / 119'	25 m / 83' 36 m / 119'
Painter line length	35 m / 115' 50 m / 165'	35 m / 115' 50 m / 165'
Inflation Cylinder	1 x 15 liter	
APPROVALS:	EC (MED) – USCG – TC – RMRS – BV – CCS	

ROUND CONTAINER 20 MAN THROW OVER BOARD LIFERAFT
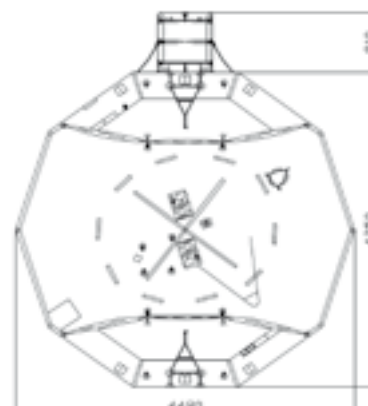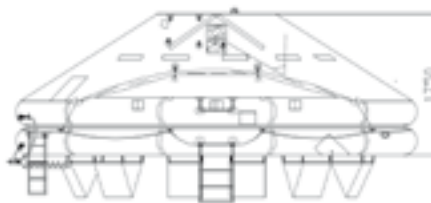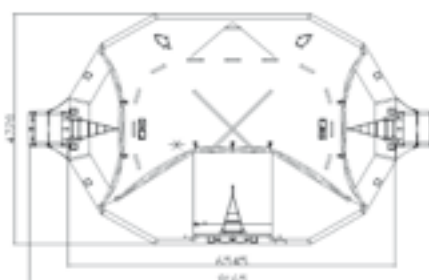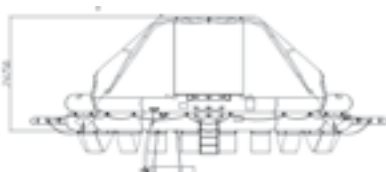### SOLAS A & B PACK
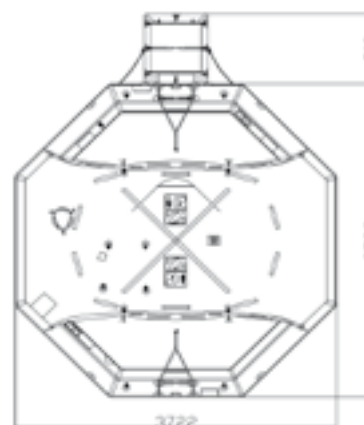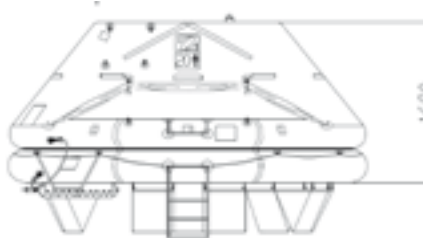
Code: MM ZOD 20PCYL (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N15	N13
Dimensions	X: 1275 mm Y: 800 mm Z: 740 mm X: 4 ' 2,2 " Y: 2 ' 7,5 " Z: 2 ' 5,14 "	X: 1275 mm Y: 610 mm Z: 590 mm X: 4 ' 2,2 " Y: 2 ' 0,02 " Z: 1 ' 11,23 "
Liferaft Net Weight	150 kg / 331 pounds	92 kg / 203 pounds
Height stowage	25 m / 83' 36 m / 119'	25 m / 83' 36 m / 119'
Painter line length	35 m / 115' 50 m / 165'	35 m / 115' 50 m / 165'
Inflation Cylinder	1 x 15 liter	
APPROVALS:	EC (MED) – USCG – TC – RMRS – BV – CCS	

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ROUND CONTAINER 25 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK

Code: MM ZOD 25PCYL (A or B)

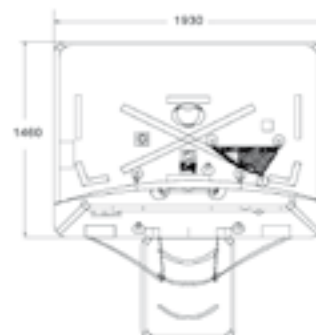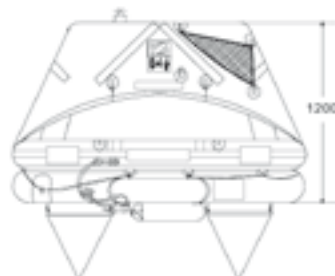|	SOLAS **A** PACK	SOLAS **B** PACK
Container	N15GM	N14
Dimensions	X: 1275 mm Y: 800 mm Z: 755 mm X: 4 ' 2,2 '' Y: 2 ' 7,5 '' Z: 2 ' 5,73 ''	X: 1275 mm Y: 680 mm Z: 615 mm X: 4 ' 2,2 '' Y: 2 ' 2,78 '' Z: 2 ' 0,22 ''
Liferaft Net Weight	173 kg / 382 pounds	113 kg / 250 pounds
Height stowage	25 m / 83' 36 m / 119'	25 m / 83' 36 m / 119'
Painter line length	35 m / 115' 50 m / 165'	35 m / 115' 50 m / 165'
Inflation Cylinder	1 x 20 liter	
APPROVALS:	EC (MED) – USCG – TC – RMRS – BV – CCS	

ROUND CONTAINER 50 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK

Code: MM ZOD 50PCYL (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N20	N18
Dimensions	X: 1560 mm Y: 952 mm Z: 960 mm X: 5 ' 1,42 '' Y: 3 ' 1,49 '' Z: 3 ' 1,8 ''	X: 1560 mm Y: 852 mm Z: 835 mm X: 5 ' 1,42 '' Y: 2 ' 9,55 '' Z: 2 ' 8,88 ''
Liferaft Net Weight	369 kg / 814 pounds	233 kg / 514 pounds
Max Height stowage	20 m / 66 '	20 m / 66 '
Painter line length	30 m / 99 '	
Inflation Cylinder	2 x 27 liter	
APPROVALS:	EC (MED) – USCG – TC – BV	

## 4 MAN THROW OVER BOARD LIFERAFT LOW PROFILE CONTAINER
A & B PACK

Code: MM ZOD 4PFLAT (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N133	N133
Dimensions	X: 924 mm Y: 574 mm Z: 359 mm X: 3 ' 0,38 '' Y: 1 ' 10,6 '' Z: 1 ' 2,14 ''	X: 924 mm Y: 574 mm Z: 359 mm X: 3 ' 0,38 '' Y: 1 ' 10,6 '' Z: 1 ' 2,14 ''
Liferaft Net Weight	57 kg / 126 pounds	46 kg / 102 pounds
Max Height stowage	20 m / 66 '	20 m / 66 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 4 liter	
APPROVALS:	USCG - TC	

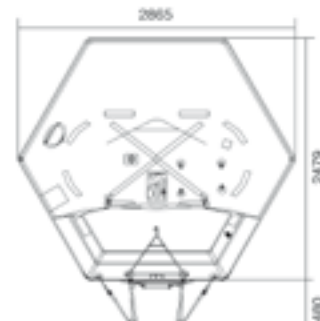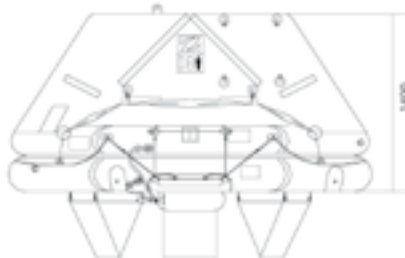## LOW PROFILE CONTAINER 6 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK
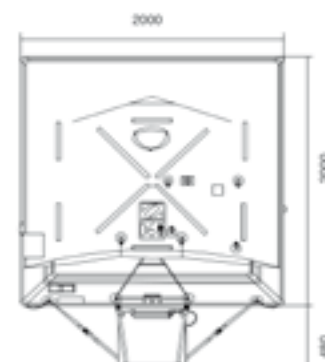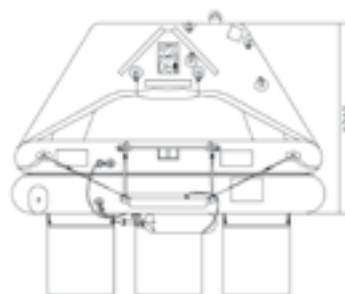
Code: MM ZOD 6PFLAT (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N134	N133
Dimensions	X: 965 mm Y: 596 mm Z: 380 mm X: 3 ' 2 '' Y: 1 ' 11,47 '' Z: 1 ' 2,97 ''	X: 924 mm Y: 574 mm Z: 359 mm X: 3 ' 0,38 '' Y: 1 ' 10,6 '' Z: 1 ' 2,14 ''
Liferaft Net Weight	66 kg / 146 pounds	51 kg / 113 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 4 liter	
APPROVALS:	EC (MED) – USCG – TC – BV – CCS	

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LIFERAFTS

LOW PROFILE CONTAINER 8 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK

Code: MM ZOD 8PFLAT (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N135	N134
Dimensions	X: 1088 mm Y: 666 mm Z: 389 mm X: 3 ' 6,84 '' Y: 2 ' 2,23 '' Z: 1 ' 3,32 ''	X: 965 mm Y: 596 mm Z: 380 mm X: 3 ' 2 '' Y: 1 ' 11,47 '' Z: 1 ' 2,97 ''
Liferaft Net Weight	79 kg / 175 pounds	57 kg / 126 pounds
Max Height stowage	25 m / 83 '	25 m / 83 '
Painter line length	35 m / 115 '	
Inflation Cylinder	1 x 6,7 liter	
APPROVALS:	EC (MED) – BV – CCS	

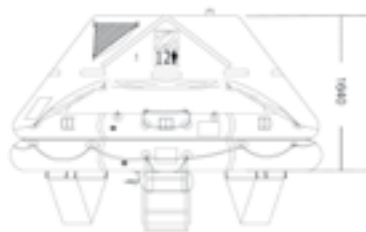**LOW PROFILE CONTAINER 10 MAN THROW OVER BOARD LIFERAFT**
SOLAS A & B PACK
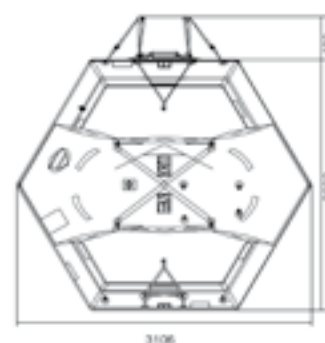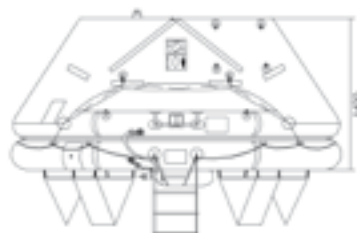
Code: MM ZOD 10PFLAT (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N135	N135
Dimensions	X: 1088 mm Y: 666 mm Z: 389 mm X: 3 ' 6,84 '' Y: 2 ' 2,23 '' Z: 1 ' 3,32 ''	X: 1088 mm Y: 666 mm Z: 389 mm X: 3 ' 6,84 '' Y: 2 ' 2,23 '' Z: 1 ' 3,32 ''
Liferaft Net Weight	90 kg / 199 pounds	65 kg / 144 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 6,7 liter	
APPROVALS:	EC (MED) – USCG – TC – BV – CCS	

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LOW PROFILE CONTAINER 12 MAN THROW OVER BOARD LIFERAFT (NG)
SOLAS A & B PACK

Code: MM ZOD 12PFLAT (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N135	N134
Dimensions	X: 1088 mm Y: 666 mm Z: 389 mm X: 3 ' 6,84 '' Y: 2 ' 2,23 '' Z: 1 ' 3,32 ''	X: 965 mm Y: 596 mm Z: 380 mm X: 3 ' 2 '' Y: 1 ' 11,47 '' Z: 1 ' 2,97 ''
Liferaft Net Weight	100 kg / 221 pounds	69 kg / 153 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 8 liter	
APPROVALS:	EC (MED) – USCG – TC – BV	

LOW PROFILE CONTAINER 16 MAN THROW OVER BOARD LIFERAFT
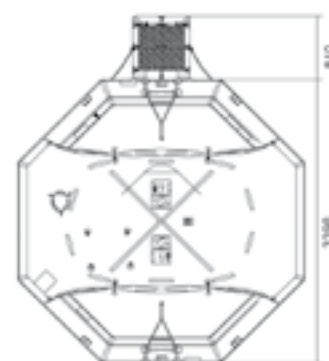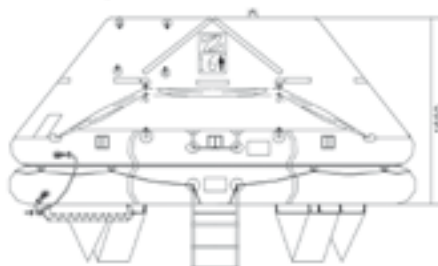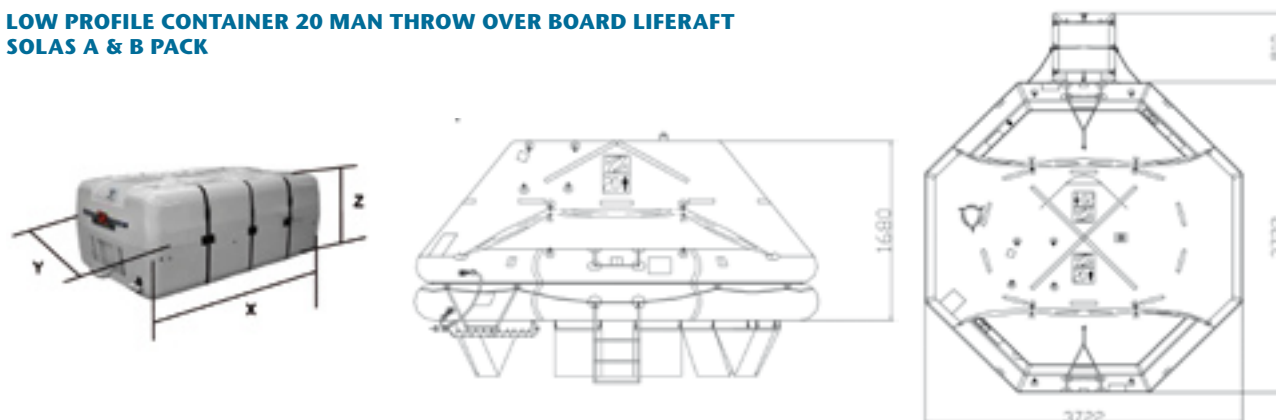## SOLAS A & B PACK

Code: MM ZOD 16PFLAT (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N136H	N136
Dimensions	X: 1160 mm Y: 730 mm Z: 468 mm X: 3 ' 9,67 '' Y: 2 ' 4,75 '' Z: 1 ' 6,43 ''	X: 1160 mm Y: 730 mm Z: 408 mm X: 3 ' 9,67 '' Y: 2 ' 4,75 '' Z: 1 ' 4,07 ''
Liferaft Net Weight	126 kg / 278 pounds	87 kg / 192 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 15 liter	
APPROVALS:	EC (MED) – USCG – TC – BV – CCS	

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LOW PROFILE CONTAINER 20 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK

Code: MM ZOD 20PFLAT (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N136H	N136
Dimensions	X: 1160 mm Y: 730 mm Z: 468 mm X: 3 ' 9,67 " Y: 2 ' 4,75 " Z: 1 ' 6,43 "	X: 1160 mm Y: 730 mm Z: 408 mm X: 3 ' 9,67 " Y: 2 ' 4,75 " Z: 1 ' 4,07 "
Liferaft Net Weight	144 kg / 318 pounds	95,5 kg / 211 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 15 liter	
APPROVALS:	EC (MED) – BV – TC – USCG – CCS	

XTREM – LOW PROFILE CONTAINER 6 MAN THROW OVER BOARD LIFERAFT
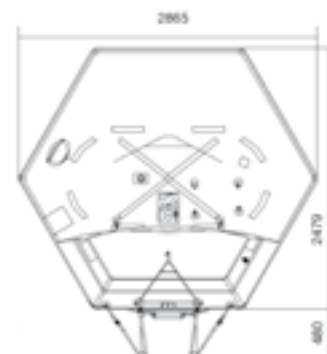**SOLAS A & B PACK**
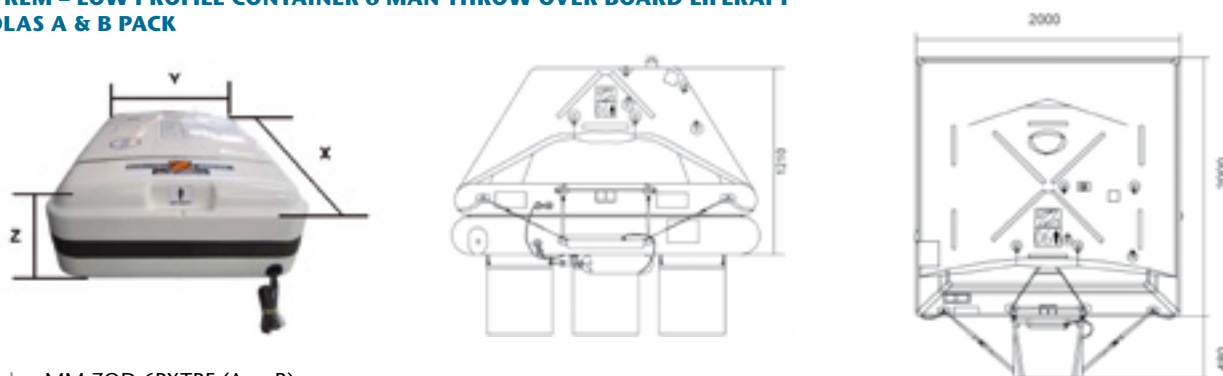
Code: MM ZOD 6PXTRE (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N137H	N137
Dimensions	X: 790 mm Y: 555 mm Z: 340 mm X: 2 ' 7,11 " Y: 1 ' 9,86 " Z: 1 ' 1,39 "	X: 790 mm Y: 555 mm Z: 270 mm X: 2 ' 7,11 " Y: 1 ' 9,86 " Z: 10,63 "
Liferaft Net Weight	64 kg / 142 pounds	48 kg / 106 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 4 liter	
APPROVALS:	EC (MED) – USCG – TC – BV – CCS	

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**XTREM – LOW PROFILE CONTAINER 8 MAN THROW OVER BOARD LIFERAFT
SOLAS A & B PACK**

Code: MM ZOD 8PXTRE (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N138H	N138
Dimensions	X: 840 mm Y: 570 mm Z: 340 mm X: 2 ' 9,08 '' Y: 1 ' 10,45 '' Z: 1 ' 1,39 ''	X: 840 mm Y: 570 mm Z: 294 mm X: 2 ' 9,08 '' Y: 1 ' 10,45 '' Z: 11,58 ''
Liferaft Net Weight	74 kg / 164 pounds	57 kg / 126 pounds
Max Height stowage	25 m / 83 '	25 m / 83 '
Painter line length	35 m / 115 '	
Inflation Cylinder	1 x 6,7 liter	
APPROVALS:	EC (MED) – BV – CCS	

**XTREM – LOW PROFILE CONTAINER 10 MAN THROW OVER BOARD LIFERAFT
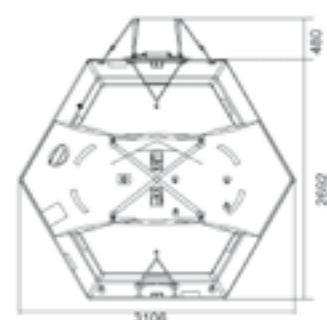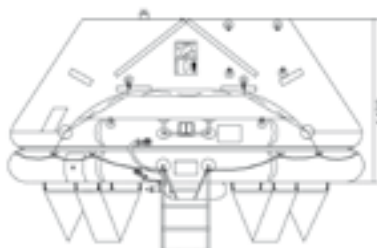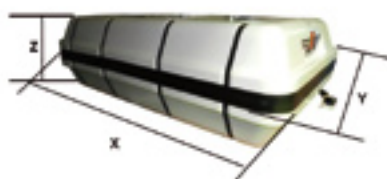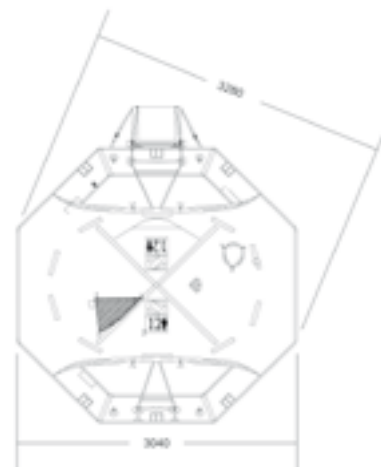SOLAS A & B PACK**

Code: MM ZOD 10PXTREM (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N139H	N139
Dimensions	X: 940 mm Y: 640 mm Z: 364 mm X: 3 ' 1,01 '' Y: 2 ' 1,2 '' Z: 1 ' 2,34 ''	X: 940 mm Y: 640 mm Z: 314 mm X: 3 ' 1,01 '' Y: 2 ' 1,2 '' Z: 1 ' 0,37 ''
Liferaft Net Weight	87 kg / 192 pounds	63 kg / 139 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 6,7 liter	
APPROVALS:	EC (MED) – USCG – TC– BV – CCS	

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XTREM – LOW PROFILE CONTAINER 12 MAN THROW OVER BOARD LIFERAFT (NG)
SOLAS A & B PACK

Code: MM ZOD 12PXTREM (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N139H	N139
Dimensions	X: 940 mm Y: 640 mm Z: 364 mm X: 3 ' 1,01 '' Y: 2 ' 1,2 '' Z: 1 ' 2,34 ''	X: 940 mm Y: 640 mm Z: 314 mm X: 3 ' 1,01 '' Y: 2 ' 1,2 '' Z: 1 ' 0,37 ''
Liferaft Net Weight	96 kg / 212 pounds	66,5 kg / 147 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 8 liter	
APPROVALS:	EC (MED) – USCG – TC – BV	

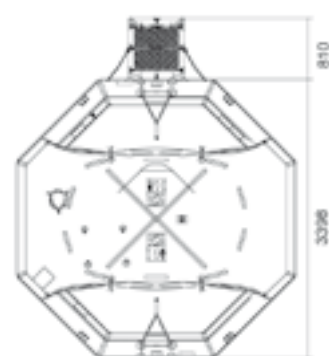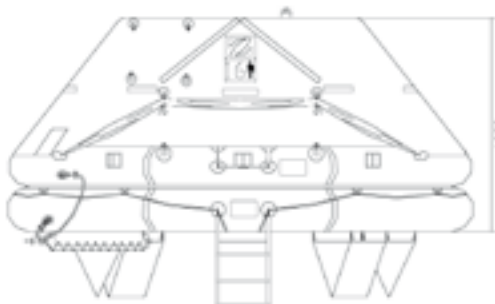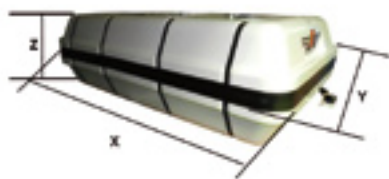**XTREM – LOW PROFILE CONTAINER 16 MAN THROW OVER BOARD LIFERAFT**
SOLAS A & B PACK

Code: MM ZOD 16PXTREM (A or B)

	SOLAS **A** PACK	SOLAS **B** PACK
Container	N140H	N140
Dimensions	X: 1100 mm Y: 650 mm Z: 370 mm X: 3 ' 7,31 '' Y: 2 ' 1,6 '' Z: 1 ' 2,57 ''	X: 1100 mm Y: 650 mm Z: 340 mm X: 3 ' 7,31 '' Y: 2 ' 1,6 '' Z: 1 ' 1,39 ''
Liferaft Net Weight	122 kg / 269 pounds	86 kg / 190 pounds
Max Height stowage	18 m / 60 '	18 m / 60 '
Painter line length	30 m / 99 '	
Inflation Cylinder	1 x 15 liter	
APPROVALS:	EC (MED) – USCG – TC – BV – CCS	

DK+ (SOLAS PACK A OR B)

Rated Capacity	Code	Length mm	Diameter mm	Weight Kg*
4	MMVIK L004D000	990	490	59.50
6	MMVIK L006D000	1155	561	70
8	MMVIK L008D000	1155	561	86
10	MMVIK L010D000	1355	565	98
12	MMVIK L012D000	1355	656	109
16	MMVIK L016D000	1335	680	124
20	MMVIK L020D000	1335	685	150
25	MMVIK L025D000	1385	735	172
35	MMVIK L035D000	1550	890	282

*Weight is meant for SOLAS Pack A.

HYDROSTATIC RELEASE UNIT FOR LIFERAFTS – H20R

- Designed for liferafts from 6 up to 150 persons
- Double looped white rope line, release mechanism and Red Weak Link™
- For smaller liferafts (from 4 persons and outside SOLAS regulation) Hammar H20 Small Rafts model is recommended
- If the ship sinks, the water pressure will, within 4 metres, activate the sharp knife which cuts the white strong rope and the liferaft will float free
- The Red Weak Link™ breaks and survivors can board the floating liferaft
- Easy to release with only one hand
- It needs no annual service, maintenance or spare parts
- It must be replaced every 2 years

Code: MM HMM H20R   Mounting instructions, how to use information, Approvals available on request.

HOW TO ORDER YOUR NEW LIFERAFT:
Code + SOLAS Pack A or B

GET APP!

Download our App and access the marine catalogues from your mobile device!

LIFERAFTS

Survitec Zodiac SOLAS liferafts are also available in davit launched version.

Full technical data sheets, containers drawing, cradles, Certificates of Approvals for new liferafts available on request.

Liferafts brands we distribute:

We can take care of your liferafts annual inspection service from disembarkation to embarkation after service.

Contact our Safety Department, we'll get back to you with our basic quote.

Our Certified service station always use quality approved spare parts to ensure the longevity of your liferafts.
Service is carried out in compliance with your Flag and Class Registry requirements.

MANSUETO MARINE

FIRE FIGHTING EQUIPMENT

BOAT A1 - DRY POWDER PORTABLE EXTINGUISHER

Code: MM MIN STD4112

- Dry powder rechargeable fire extinguisher
- RINA approved
- Nominal capacity 1 Kg
- Fire classes 5 A – 34 B - C
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 - PED 97/23/CE

SKP 2P/M - DRY POWDER PORTABLE EXTINGUISHER

Code: MM MIN STD4082

- Dry powder rechargeable fire extinguisher
- MED approved
- Nominal capacity 2 kg
- Fire classes 13 A – 89 B - C
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

SKP 3P/M - DRY POWDER PORTABLE EXTINGUISHER

Code: MM MIN STD4083

- Dry powder rechargeable fire extinguisher
- MED approved
- Nominal capacity 3 Kg
- Fire classes 21 A – 144 B - C
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

SKP DRY P6/M - DRY POWDER PORTABLE EXTINGUISHER

Code: MM MIN STD4079

- Dry powder rechargeable fire extinguisher
- MED approved
- Nominal capacity 6 kg
- Fire classes 34 A – 233 B - C.
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

SKP 6PS/M - DRY POWDER PORTABLE EXTINGUISHER

Code: MM MIN STD4084

- Dry powder rechargeable fire extinguisher
- MED approved
- Nominal capacity 6 Kg
- Fire classes 55 A – 233 B - C
- Temperature range -20°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

SKP 9P/M - DRY POWDER PORTABLE EXTINGUISHER

Code: MM MIN STD4085

- Dry powder rechargeable fire extinguisher
- MED approved
- Nominal capacity 9 kg
- Fire classes 55 A – 233 B - C
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

FIRE FIGHTING EQUIPMENT

MINIMAX   ABS

SKP 5CO2/M - CO2 PORTABLE EXTINGUISHER

Code: MM MIN STD4076

- Carbon dioxide (CO_2) rechargeable fire extinguisher
- MED approved
- Nominal capacity 5 kg
- Fire classes 113 B
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

SKP 2CO2/M - CO2 PORTABLE EXTINGUISHER

Code: MM MIN STD4081

- Carbon dioxide (CO_2) rechargeable fire extinguisher
- MED approved
- Nominal capacity 2 kg
- Fire classes 55 B
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

9 FOAM/M - FOAM PORTABLE EXTINGUISHER

Code: MM MIN STD4077

- Foam rechargeable fire extinguisher
- MED approved
- Nominal capacity 9 L
- Fire classes 34 A – 233 B
- Temperature range -5°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

9 UNIVERSAL FOAM/M - FOAM PORTABLE EXTINGUISHER

Code: MM MIN STD4078

- Foam rechargeable fire extinguisher
- MED approved
- Nominal capacity 9 L
- Fire classes 43 A – 233 B
- Temperature range -5°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

9 FRY FOAM/M - FOAM PORTABLE EXTINGUISHER

Code: MM MIN STD4080

- Foam rechargeable fire extinguisher
- MED approved
- Nominal capacity 9 L
- Fire classes 34 A – 233 B – (75 F)
- Temperature range -5°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 3-7 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

6L – FOAM FIRE EXTINGUISHER

Code: MM ABS 14361

- Foam rechargeable fire extinguisher
- MED Approved
- Nominal capacity 6 L
- Fire classes 27A - 233B
- Temperature range 0°C / +60°C
- It can be used on electrical equipment up to 1000 Volt at 1 mt distance minimum

APPROVALS:
EN3 approved – PED 97/23/EC
According to Directive 96/98/EC MED

DAVIS

SUPER QUICK FIST

Code: MM DAV 00544

Super Quick Fist is a rubber clamp ideal to hold fire extinguishers, oxygen cylinders, CO2 tanks and other equipment. Mounts easily with three M10 (5 mm) bolts or screws.
Holds objects from 64 to 191 mm in diameter.
Each clamp supports approximately 23 kg.
Mounting base 22 x 152 mm.

MANSUETO MARINE

MINIMAX **ABS**

SK 50 P/M – DRY POWDER RECHARGEABLE WHEELED EXTINGUISHER

Code: MM MIN STD4096

- Powder rechargeable wheeled fire extinguisher
- MED approved
- Nominal capacity 50 kg
- Fire classes A – IV B - C
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 1866-1 - ISO 11601 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

CDM20 – CO2 RECHARGEABLE WHEELED EXTINGUISHER

Code: MM MIN STD4099

- Carbon dioxide (CO2) rechargeable wheeled fire extinguisher complete with hose and nozzle
- MED approved
- Nominal capacity 18 kg
- Fire classes 233 B
- Temperature range -30°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 1866-1 - ISO 11601 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

SK50S/M – FOAM RECHARGEABLE WHEELED EXTINGUISHER

Code: MM MIN STD4097

- Foam rechargeable wheeled fire extinguisher
- MED approved
- Nominal capacity 50 L
- Fire classes A – IV B
- Temperature range -5°C / +60°C
- Suitable for use on live electrical equipments up to 1000 V far at least 1 m

APPROVALS:
According to standards EN 1866-1 - ISO 11601 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

SK 150 IS/M – FOAM RECHARCHEABLE WHEELED EXTINGUISHER

Code: MM MIN STD4098

- Foam rechargeable wheeled fire extinguisher
- MED approved
- Nominal capacity 150 L
- Fire classes A – IV B
- Temperature range +5°C / +60°C
- Don't use on live electrical equipments

APPROVALS:
According to standards EN 1866-1 - ISO 11601 – SOLAS 74 – PED 97/23/CE
According to MED 2008/67/CE

Other fire extinguishers of different nominal capacities available on request.

We can take care of your fire extinguishers periodic/annual maintenance
(refill, pressure/hydrostatic test, visual check, parts replacement)
through our Certified service station according to local regulations.

Provisional fire extinguishers can be supplied (IF NEEDED) while yours are away for service.

We do service your CO2 fixed fire extinguishing system on board as well.

You may also need:

STOP 30 AEROSOL FOAM FIRE EXTINGUISHER

Code: MM COM STOP30

- STOP 30 aerosol foam fire extinguisher
- 730 GR, H.30CM, D.7,5 CM
- Quick and easy to use
- Biodegradable foam
- Fire classes ABF
- Maintenance-free

APPROVALS:
According to EU Directive 75/324//CEE and Afnor AF S 61 804

SPRAY MINI FLASH FIRE EXTINGUISHER

Code: MM BER 666-500ML

- Spray Mini Flash fire extinguisher 500 ML
- Quick and easy to use
- Biodegradable, non-toxic
- Fire classes ABCE
- For small fires in galley, boat, car

APPROVALS:
According to 75/324/CEE – 94/1/CE

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FIRE FIGHTING EQUIPMENT

FIRE FIGHTING ACCESSORIES

Fire-fighter hood, grey,
Approved according to
EN 13911

Code: MM VIK PS383567

Neck cover for Fire helmet

Code: MM VIK 1024862

Visor for fire helmet

Code: MM VIK 1024863

Fire helmet SOLAS/MED
approved

Code: MM VIK 1033495

FIRE BLANKET

Fire blanket in
soft bag 195 X 120 cm

Code: MM VIK 1022014

TURBO NOZZLE

Storz C brass adaptor

Code: MM VIK 1031253

FIRE HOSE, STANDARD

2", 25M, STORZ-C, aluminium

Code: MM VIK 1022681

HEAVY DUTY FIRE HOSE

2" 20m Storz C brass

Code: MM VIK 1025077

Other types of fire hose available on request, please specify:
- **Hose length**
- **Coupling size**
- **Coupling material (Aluminium or Brass)**

FIRE-FIGHTING SUITS

Complete Fireman's Outfit

Components:
- two-piece fire-fighter suit
- fire-fighter helmet with neck
  protection and visor
- fire-fighter gloves
- fire rubber boots
- storage bag
- one size outfit

Code: MM JON SI285L

Complete fire-fighter set

Components:
- two-piece fire fighter suit (S to XXL),
  100% Aramid
- fibreglass helmet (one size)
- NOMEX® gloves (8 to 12)
- rubber boots (42, 43, 44, 45, 47)
- storage bag

SOLAS MED 96/98 approved

Code: MM VIK PS37891054000

MANSUETO MARINE

apollo

DETECTORS

	Code	Description
	MM APO 58000-600	Optical Smoke Detector Suitable for slow burning or smouldering fires To be positioned where these are most likely to occur.
	MM APO 58000-700	Multisensor Detector It comprises optical smoke and thermistor temperature sensors whose outputs can be reported individually. It allows to check separately the rise in temperature and the level of smoke.
	MM APO 58000-500	Ionisation Smoke Detector It uses a low activity radioactive foil to detect fires by irradiating the air in the smoke chambers and causing a current flow. General purpose detector responding well to fast burning and flaming fires.
	MM APO 58000-300	Carbon Monoxide Detector It is good at detecting deep-seated fires. It does not detect smoke particles or heat.
	MM APO 58000-400	Heat Detector Low airflow resistant case. Single thermistor to sense the air temperature around the detector. Useful where the environment is dirty or smoky under normal conditions.
	MM APO 58100-910	Manual Call Point It can be addressed at the commissioning stage by means of a seven-segment DIL switch. When operated, the MCP interrupts the polling cycle for a fast response.

SMOKE DETECTOR TESTER

- Non-flammable
- Oil-free formulation
- No lasting residue

250ml Canister

Code: MM SDT A3

CARBON MONOXIDE DETECTOR TESTER

Genuine and non-flammable
CO stimulus

250ml Canister

Code: MM SDT C3

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BREATHING APPARATUS

RN/A 1603 T1 SCBA

Self contained breathing apparatus
Series MK2 Type 1 (Industrial)
Complete set: cylinder, pressure reducer,
automatic demand valve, mask, back plate
and harness

Technical Data
Pressure Reducer: piston with compensator
Automatic Demand Valve: with integral alarm
device and supplementary supply button
Setting of the Alarm: 55 ± 5 bar
Volume/pressure of Cylinder: 6 l/ 300 bar
Air reserve: 1660 N liters
Duration: 55 min at an average consumption
of 30 l/min

Use
Maintenance intervention in chemical plants
Industrial areas
Contaminated surroundings
Rescue intervention
Oxygen deficiency

Classification
Certified Type 1 to EN137:2006 and meeting
with directives 98/686/EEC (PPE), 97/23/EC
(PED) and 96/98/ EC (PED)

Code: MM SPA 401520000

RN/BN 1603 FR SCBA

Self contained breathing apparatus
Series MK2 Type 2 (Fire Fighters)
Complete set: cylinder, pressure reducer,
automatic demand valve, medium pressure
hose, mask, back plate and harness

Technical Data
Pressure Reducer: piston with compensator
Automatic Demand Valve: with integral alarm
device and supplementary supply button
Setting of the Alarm: 55 ± 5 bar
Volume/pressure of Cylinder: 6 l/ 300 bar
Air reserve: 1660 N liters
Duration: 55 min at an average consumption
of 30 l/min for a single user

Use
For fire brigades
Rescue team for fire fighting
Polluted environments
Oxygen deficiency

Classification
Certified Type 2 to EN137:2006 and meeting
with directives 98/686/EEC (PPE), 97/23/EC
(PED) and 96/98/CE (MED).

Code: MM SPA 40407293

STEEL ALLOY CYLINDERS

RN MK2 series can be equipped
with steel cylinders of different
volume and pressure capacity

Code	Volume and pressure capacity
MM SPA MK2-3L	3 lt 300 bar
MM SPA MK2-7L	7 lt 200 bar
MM SPA MK2-6L	6 lt 300 bar

Full range of MK2 Type 1 (industrial) and Type 2 (fire-fighters) BA available on request.

Dräger

DRÄGER PSS® 7000

Compressed Air Breathing Apparatus, pneumatic gauge.
Weight of complete set with Dräger FPS 7000 full-face mask, lung demand valve and Dräger 6.8 litre carbon composite cylinder, 20 year design life: 11.7 kg
Input pressure: 0 – 300 bar
Normal 1st stage output pressure: 7.5 bar
1st stage output flow: > 1000 l/min
Pneumatic warning whistle activation pressure: 50 – 60 bar
Pneumatic whistle sound Level: > 90 dBA
Operating Temperature: -30 - +60 °C

Approvals
Breathing Apparatus: EN 137: 2006 Type 2, vfdb 0802

Code				
MM DRA 3355068	Dräger PSS® 7000 Pneumatic Gauge	DIN Cyl. Thread connection	Single Cyl. Strap	Dräger PSS® 7000 SCS
MM DRA 3355930			Univ. Cyl. Strap	Dräger PSS® 7000 TCS
MM DRA 3356542		Cylinder Quick-Connect	Single Cyl. Strap	Dräger PSS® 7000 QC SCS

Dräger

DRÄGER FPS-COM-PLUS

Weight: depending on model 0.55 - 0.71 lbs. (250 - 320 g) (without battery)
Approvals:
ATEX: II 1G Ex ia IIC T5/T4 Ga (-30°C ≤ Ta ≤ +40°C/+60°C)
            II 1D Ex ia IIIC T95°C/T130°C Da IP6x (-30°C ≤ Ta ≤ +40°C/+60°C)
IECEx: Ex ia IIC T5/T4 Ga (-30°C ≤ Ta ≤ +40°C/+60°C)
            Ex ia IIIC T95°C/T130°C Da IP6x (-30°C ≤ Ta ≤ +40°C/+60°C)
NFPA: NFPA 1981: 2007 Edition
Battery types: AAA, Duracell PLUS or Duracell PROCELL (only due to ATEX approval)
Operation time: 4 to 24 hours (depending on usage profile, the operating time may be greatly reduced at extreme temperatures).
Ambient conditions for storage: 25°F to 75°F, 700 to 1300 hPa, 10 to 95% rel. humidity
Protection class: IP 67

Code	Description
MM DRA R58818	Dräger FPS-COM-PLUS VA (voice amplifier only)
MM DRA R58820	Dräger FPS-COM-PLUS VA R-C Waris
MM DRA R58821	Dräger FPS-COM-PLUS VA R-C Jedi
MM DRA R58822	Dräger FPS-COM-PLUS VA R-C Nexus

Dräger

DRAGER VALVE

Plus Lung Demand Valve (LDV)
Short Hose Push in

Code: MM DRA 3338700

DRAGER CYLINDER

Compressed air cylinder.
6LT 300 bar steel cylinder

Code: MM DRA 3355002

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EMERGENCY ESCAPE BREATHING DEVICES

SK 1203 EEBD

Emergency escape breathing device
Complete set: cylinder, valve/pressure reducer, breathing tube, hood, transport bag

Technical Data
Valve / Pressure Reducer: provided with gauge for the continuous reading of the cylinder charge
Volume / Cylinder Working Pressure: 2 l / 300 bar
Air reserve: 550 N litres
Flow: about 36 l/min
Autonomy : more than 15 minutes

Use
Self rescue
Protection against fire fumes
Lack of oxygen

Classification
Certified as a class 15 minutes device to EN 1146:2005 and meeting with directives 98/686/EEC (PPE), 97/23/EC (PED) and 96/98/EC (MED)

Code: MM SPA 403010000

SAVER EEBD

Constant flow Emergency escape breathing device
10-minute supply of air
Low-maintenance protection
Transparent window on bag for cylinder pressure gauge checking
Orange bag and photoluminescent panels for high visibility
Alarm whistle sound before the air supply is exhausted

Technical Data
Size (H x L x D): 510 x 260 x 190 mm
Cylinder charging pressure: 200 bar
Airflow to the hood: 35-37 L/min
Operating temperature range: -15 °C to +60 °C
Weight (Kg) including cylinder: Soft bag 4.2 kg (CF10) - 5.2 kg (CF15)

Use
Protection against smoke and toxic fumes

Classification
EN1146 (2005), ISO 23269-1:2008, SOLAS Chapter II-2, the Marine Equipment Directive and the Pressure Equipment Directive.

Code	Description
MM DRA 3359735	Saver EEBD CF15 3 lt. 200 bar (Steel Cylinder)
MM DRA 3359734	Saver EEBD CF10 2 lt. 200 bar (Aluminium Cylinder)

MANSUETO MARINE

Dräger

DRÄGER PARAT C FIRE ESCAPE HOOD

Technical Data
Filter performance: Combination cartridge (gas & particle filter) provides protection against smoke, gases and particles
Filter Type: CO-P2
Approved duration: minimum of 15 minutes
Service Life: 12 years total (6 years maintenance free – filter and valve change required after 6 years)
Weight: approx. 600 grams
Dimensions: Dräger PARAT C Single-, Traveller-, Soft-Pack: 8 x 19 x 13,5 cm (H x L x W)
Dräger PARAT C Box: 18 x 19 x 8 cm (H x L x W)
Dräger PARAT C Twin-Pack: 9 x 33 x 22,5 cm (H x L x W)
Approval CE mark, tested according to EN 403 (H2S protection tested in accordance with DIN 58647-7)

	Code	Description
	MM DRA R52817	Dräger PARAT C Single-Pack, in a compact cardboard box
	MM DRA R52818	Dräger PARAT C Traveller-Pack, in a sturdy plastic case
	MM DRA R53555	Dräger PARAT C Soft-Pack, in a handy carrying case
	MM DRA R52845	Dräger PARAT C Twin-Pack, two escape hoods in a transparent wall-mounted box
	MM DRA R54105	Dräger PARAT Training hood
	MM DRA R57302	Spare parts kit Dräger PARAT C (including spare filter and exhalation valve)

OCENCO EEBD

	Code	Description
	MM ONC 1008018	Ocenco EEBD M-20.2 Compressed oxygen Up to 32 minutes of protection 15-year service life
	MM ONC 1008021	Ocenco EEBD M-20.2 Training Kit with video DVD and manual Complete with 2 extra mouth pieces Teaches donning from both the worn and stored position
	MM ONC 1008020	Bracket for Ocenco M-20.2 EEBD Stainless steel wall mounting bracket

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LIFE JACKETS & IMMERSION SUITS

SKIPPER 150 INFLATABLE LIFEJACKET   Skipper 150 HX with harness   Inflated

Code	Size	Weight	Chest Size	Buoyancy	Inflation
SKIPPER 150					
MM VEL 09230	Adult/Junior	+40 Kg	80/125 cm	150 N	Automatic
MM VEL 09231	Adult/Junior	+40 Kg	80/125 cm	150 N	Manual
SKIPPER 150 HX (with harness)					
MM VEL 09235	Adult/Junior	+40 Kg	80/125 cm	150 N	Automatic
MM VEL 09236	Adult/Junior	+40 Kg	80/125 cm	150 N	Manual

Case made in technological high resistance fabric, with or without certified harness.
Series accessories: retroreflective tapes, whistle, lifting handle, rescue tape.

SKIPPER 275 INFLATABLE LIFEJACKET   Skipper 275 HX with harness   Inflated

Code	Size	Weight	Chest Size	Buoyancy	Inflation
SKIPPER 275					
MM VEL 09670	Adult/Junior	+40 Kg	80/125 cm	275 N	Automatic
MM VEL 09671	Adult/Junior	+40 Kg	80/125 cm	275 N	Manual
SKIPPER 275 HX (with harness)					
MM VEL 09675	Adult/Junior	+40 Kg	80/125 cm	275 N	Automatic
MM VEL 09676	Adult/Junior	+40 Kg	80/125 cm	275 N	Manual

Inflatable lifejacket twin or mono-chamber, with or without certified harness, with automatic and/or manual activators.
Case made in technological high resistance fabric.
Series accessories: retroreflective tapes, whistle, lifting handle, rescue tape.

MANSUETO MARINE

ANTILLE 100N INEHERENT LIFEJACKET

Code	Size	Weight	Chest Size	Buoyancy
MM VEL 06211	XXS(*)	15 / 30 Kg	60 / 70 cm	> 40 N
MM VEL 06212	XS	30 / 40 Kg	70 / 80 cm	> 50 N
MM VEL 06213	S	40 / 50 Kg	80 / 90 cm	> 60 N
MM VEL 06214	M	50 / 70 Kg	90 / 100 cm	> 80 N
MM VEL 06215	L	70 / 80 Kg	100 / 110 cm	> 100 N
MM VEL 06216	XL	80 / 90 Kg	110 / 120 cm	> 110 N
MM VEL 06217	XXL	90+ Kg	120 / 130 cm	> 120 N

(*) Equipped with padded crotch strap.

- Modular neck for greater protection of the head.
- Adjustment system: zip, waist belt w/quick release buckle adjustable crotch fastening straps.
- Signal system: retroreflective tapes, whistle.
- Rescue tape.
- Speed-up system.

JET-PRO BUOYANCY AID

Code	Size	Weight	Chest Size	Buoyancy
MM VEL 05321	M	40 / 70 Kg	80 / 100 cm	> 55N
MM VEL 05322	L	70 / 80 Kg	100 / 110 cm	> 70N
MM VEL 05323	XL	80+ Kg	110 / 125 cm	> 80N

- For water skiing, jet ski, other active water sports.
- 4 adjustable straps with quick release buckles + D-ring to hook a safety lanyard.
- Padded ergonomic back protection.

REEF BUOYANCY AID

Code	Size	Weight	Chest Size	Buoyancy
MM VEL 05379	S*	25 / 40 Kg	65 / 80 cm	> 40 N
MM VEL 05380	M	40 / 70 Kg	80 / 100 cm	> 55 N
MM VEL 05381	L	70 / 80 Kg	100 / 110 cm	> 70 N
MM VEL 05382	XL	80+ Kg	110 / 125 cm	> 80 N

(*) Article equipped with crotch strap.

- For catamarans and rafting experts.
- 3 straps with adjustable quick release buckles + D-ring to hook a safety lanyard.
- Ergonomic and compact device.

WIND BUOYANCY AID

Code	Size	Weight	Chest Size	Buoyancy
MM VEL 05313	S	25 / 40 Kg	65 / 80 cm	> 40 N
MM VEL 05314	M	40 / 70 Kg	80 / 100 cm	> 55 N
MM VEL 05315	L	70 / 80 Kg	100 / 110 cm	> 80 N

- For continuous use on canoes, kayaks and little sailing boats
- Straps, quick release buckle, waist elastic band + D-ring to hook a safety lanyard.
- High resistance to abrasions.

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PLASTIMO

PASSION BUOYANCY AID

Code		Size	Weight	Buoyancy
Passion blue/yellow	Passion black/yellow			
MM PLS 27780	MM PLS 24092	S	30/50 Kg	70 N (certified in 50 N category)
MM PLS 27781	MM PLS 24093	M	50/70 Kg	70 N (certified in 50 N category)
MM PLS 27782	MM PLS 24094	L	70/90 Kg	70 N (certified in 50 N category)
MM PLS 27783	MM PLS 27778	XL	+ 90 Kg	70 N (certified in 50 N category)

- For water ski & jet ski.
- Polyethylene foam.
- Outer cover 100 % polyester.
- 4 fastening straps with buckles. Drawstring tightening at hem.
- Elasticated cutaway style around the arms for maximum freedom of movement.
- Good stomach and chest protection.

VSG

MODULO 150 INFLATABLE LIFEJACKET

Code	Size	Weight	Height	Colour	Harness
MM VEL 02140/A	Adult	+ 43 Kg	+155 cm	ORANGE	without harness
MM VEL 02140/A-HX	Adult	+ 43 Kg	+155 cm	ORANGE	with harness ISO 12401*
MM VEL 02140/B	Adult	+ 43 Kg	+155 cm	BLUE	without harness
MM VEL 02140/B-HX	Adult	+ 43 Kg	+155 cm	BLUE	with harness ISO 12401*

- Two chambers with UV resistant fabric cover.
- Buoyancy: >160N
- Equipped with Buddy System.**
- Fleece neck.
- Back strap.
- Quick release buckle and frontal safety D-ring.

Colours

Orange   Blue

* Certified Harness ISO 12401   ** Buddy System

VSG

MODULO 275 INFLATABLE LIFEJACKET

Code	Size	Weight	Height	Colour
MM VEL 02130/A	Adult	+ 43 Kg	+155 cm	Orange
MM VEL 02130/B	Adult	+ 43 Kg	+155 cm	Blue

- Two-chambers with UV resistant fabric cover.
- Buoyancy: >290N
- Fleece neck.
- Mesh back.
- Double quick release buckle.
- Reflective inserts.
- Equipped with Buddy System.

Colours

Orange   Blue

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MK 10 LIFEJACKET

Code	Size	Weight	Height	Buoyancy
MM VEL 02005	Adult	+ 43 Kg	+155 cm	> 150N
MM VEL 02006	Child	15 - 43 Kg	100 - 155 cm	> 90N
MM VEL 02007	Infant	-15 Kg	-100 cm	> 65N
MM VEL 1119	Extension belt – Over Size			

- Foldable
- Retroreflective tapes
- Quick release buckle
- Rescue loop
- Waist belt for oversize people

PV9320 - VIKING INFLATABLE LIFEJACKET

Code: MM VIK PV9320

Buoyancy: 180 Newton, symmetrical

Approved according to SOLAS MSC 48(66) incl. 2010 amendments and EU-directive 96/98/EC

Dimensions:
Packed: Approx 63 x 33 x 8 cm
Inflated: Approx 67 x 42 x 16 cm
Weight: Approx 1,5 kg

Complete with: light, whistle, reflective tape, lifting strap, buddy line and two automatic inflation systems. Crotch strap for added safety.

PV9313 - VIKING INFLATABLE LIFEJACKET - CHILD

Code: MM VIK PV9313

Buoyancy: 90 newton. From 15-43 kg.

Approved according to SOLAS MSC 48(66) incl. 2010 amendments and EU directive 96/98/EC

Dimensions:
Packed: 28 x 43 x 6 cm
Inflated: 37 x 53 x 15 cm
Weight: 1,25 kg

Complete with: SOLAS approved light, whistle, crutch strap, lifting becket, buddy line.

Optional items:
- Water activated light or Manually operated.
- Halkey Roberts release unit or Hammar release unit.

Colours: red, blue, black, high visible yellow.

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VSG

WHISTLE

Code: MM VEL 25180

VSG

LIFEJACKETS LIGHTS

03016/A1-03017/A1-03019-03020

Code	Description
MM VEL 03016/A1	Jack Automatic, alk battery, Alcares ARH
MM VEL 03017/A1	Jack Manual, alk battery, Alcares A1
MM VEL 03019	Jack Automatic, lithium battery, Alcares
MM VEL 03020	Jack Manual, lithium battery, Alcares
MM VEL 03031	Manual, Asteria
MM VEL 03033	USCG 161012/43/0 approved
MM VEL 03037	Automatic, DAN W3
MM VEL 03038	Manual, DAN-M3

Asteria 03031

Electric Fuel 03033

03037/03038

AQUA SPEC

WATER ACTIVATED LED LIFEJACKET LIGHT

AQ40S

AQ40L

Code	Weight	Description
MM AQC AQ40S	29 gr	With built-in sensor points
MM AQC AQ40L	39 gr	With sensor lead

HAMMAR

LIFEJACKET INFLATOR MA1 EC

Single point indicator model.
Automatic hydrostatic activator. Rearming kit.

Code: MM VEL V90000TG60

HALKEY | ROBERTS

AUTOMATIC ACTIVATOR V90000 TG60

Code	Description
MM VEL 25003	green indicator clip
MM VEL 25002	yellow salt bobbin
MM VEL 25004	auto head

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NEOPRENE IMMERSION SUIT

Code: MM VIK PS2014

- Height: from 140 to 200 cm
- Weight from 50 to 100 kg
- Outer fabric: 5mm neoprene
- Sewing thread: polyester
- Retro-reflective trim
- Wristlets: neoprene cuffs with strap for adjustment
- Detachable gloves attached at wristlets
- Neoprene boots fitted with rubber soles and hook/loop intake

PU COATED NYLON INSULATED IMMERSION SUIT

Code: MM VIK PS5002

- One size: Height from 140 to 200 cm. Weight from 50 to 100 kg
  Oversize: Height from 190 to 210 cm. Weight from 100 to 160 kg
- Quilted, blue polyester lining, insulation 300 g/m²
- Heat-resistant sewing thread
- Soft buoyancy foam in back, adjustable braces inside the suit for adjustment of height, detachable gloves attached at each wristlet, boots are fitted with PU soles and hook/loop intake, buddy line, light and whistle. Comes in a bag.
- For navy, fishing vessels, offshore, cargo, passenger ships and yachting.

IMMERSION SUIT 8800 BUOYANCY PLUS

Code: MM CSV 8800

- 5mm fire retardant neoprene construction
- Buoyancy pillow: the suit can be worn without a lifejacket
- Supplied in a carry bag
- SOLAS grade retro-reflective tape, whistle, buddy line
- Sizes: universal, L, XL
- Optional extras:
  - 5mm neoprene gloves with PVC dot palm
  - SOLAS approved light
  - Lifting strop with S/S D-ring

8800 (Variety of options available)

SURVIVAL SUIT ISS-590 I

Hygrapha

Code: MM YGP ISS590I

- 6 hours thermal protection
- Inflatable head support: the suit can be worn without a lifejacket
- Supplied in colour coded storage bag
- Reflective panels, whistle, insulated 5-finger gloves, light pocket
- Non-slip soles
- Ankle and wrist adjustments for a snug fit

THERMAL PROTECTIVE AID

- Protects against rain, wind and cold temperatures in liferafts and lifeboats
- Welded and water tight seams. Metallised inside layer to retain body heat
- XL zipper to accommodate even a mother with a small child
- Includes retro reflective tape
- Available with or without sleeves

Code: MM VIK 1032814

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LIFEBUOYS RINGS

VIRGO – SOLAS LIFEBUOY – COMPACT VERSION

Code	Weight	Dimension
MM VEL 12010	2,5 Kg	EXT. 62,5 - INT. 40,5 cm

FABRIC CASE FOR VIRGO LIFEBUOY

Code: MM VEL 14022

ALTURA – SOLAS LIFEBUOY

Code	Weight	Dimension
MM VEL 12000	2,5 Kg	EXT. 72 - INT. 43,5 cm
MM VEL 12005	4 Kg	EXT. 72 - INT. 43,5 cm

STAINLESS STEEL HOLDER FOR ALTURA LIFEBUOY

Code: MM VEL 14005

OSCULATI

LIFEBUOY RING WHITE – ORANGE

Code: MM OSC 2240709

Anti-petrol plastic foam, electrowelded PVC coated
External Ø 61 cm

LIFEBUOY RING ORANGE

Code: MM OSC 2240702

Orange Eltex filled with expanded polyurethane
Ø 35 x 60 cm

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the marine catalogues from your mobile device!

MANSUETO MARINE

RING LIFEBUOY MOD. «ORCA»

Ø 57 x 34 cm
Covered by PVC entirely welded.
Inside in polystyrene resisting to oil.
Complete with line.

Code	Background	Bands	Weight
MM TRM N1455030	White	Red	400 gr.
MM TRM N1455075	White	Blue	400 gr.

RING LIFEBUOY MOD. «CORALLO»
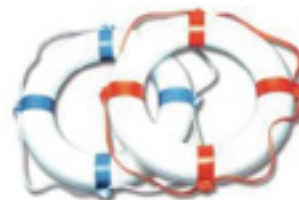
Ø 65 x 40 cm
Covered by PVC entirely welded.
Inside in polystyrene resisting to oil.
Complete with line.

Code	Background	Bands	Weight
MM TRM N1465040	White	Red	800 gr.
MM TRM N1465075	White	Blue	800 gr.

Horseshoe lifebuoys (polyethylene and soft expanded ethafoam type) and relative covers and holders, other types of SOLAS and NON SOLAS life saving floating devices also available.

SOLAS FLOATING LIFEBUOY LIGHT (WITHOUT BATTERY)

Code: MM VEL 14040

SOLAS 360 LIGHT WITH PHOTOCELL

Code: MM VEL 25040

SOLAS FLOATING LIFEBUOY LIGHT WITH BATTERIES IN CLOSED BOX AND HOLDER

Code: MM VEL 14009

LIFEBUOY FLASHING LED LIGHT L160

Yellow body + black bracket
Auto activation via pull cord

Code: MM DNM 62001A

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OSCULATI

SOLAS STARLED FLOATING LIGHTY BUOY

Automatic switching-on, 145x105mm
4xAA batteries

Code: MM OSC 3058200

OSCULATI

MAYDAY STROBOSCOPIC LIGHT

Fitted with nylon straps with Velcro
Duration 8 h, 40x120mm

Code: MM OSC 3058600

OSCULATI

STAINLESS STEEL UNIVERSAL LIFEBUOYS HOLDER

With dan buoy light support

Code: MM OSC 2242500

Code: MM OSC 2242600

CARRY BAG FOR LIFEBUOY RING

Stuffed polyester fabric, PVC inside
White colour

Code	Model	Colour	Size
MM TRM N1468074	Astra	White	Ø 68cm
MM TRM N1468075	Astra	Blue	Ø 68cm
MM TRM N1478074	Taurus	White	Ø 78cm

POLYETHYLENE FLOATING LINE ROLLS

Orange.
Sold by linear meter.

Code	Diameter mm	Length m	Strength kg
MM LZS 98067	4	200	120
MM LZS 98991	6	200	145
MM LZS 98992	8	200	400
MM LZS 98993	10	100	807

PRE-CUT POLYETHYLENE FLOATING LINES

Orange.

Code	Diameter mm	Length m	Strength kg
MM LZS 90834	6	15	145
MM LZS 94801	6	30	145
MM LZS 90835	8	15	400
MM LZS 70260	8	30	400
MM LZS 90836	10	15	807

MANSUETO MARINE

HAMMAR®

LIFESAVER LS101

- Self-inflating horseshoe lifebuoy
- Rugby-ball shape
- Easy to throw into the wind
- It acts as a lift anchor, does not blow away
- Compact and easy to reach
- Clearly visible in the water
- Fits people of all sizes, including children
- Very durable
- Can be re-armed after use
- Easy to fasten around the body
- A person wearing the lifebuoy can be lifted
- It is possible to swim while wearing the lifebuoy
- Easy to remove from its holder
- Attractive design

Code: MM HMM LS50-0100

Accessories

Stainless steel holder with bracket for 25 mm tube
Code: MM HMM LS50-0201

Stowing box
Code: MM HMM LS50-0202

Re-arming kit
Code: MM HMM LS50-0203

We deliver ALL OVER EUROPE
MORE THAN 1.000.000 articles on stock
24/7 Express DELIVERY to the Mediterranean
WITH OUR OWN MEANS OF TRANSPORT

SAFETY BELTS

KONG ITALY

SAILING MAST ASCENDER

Kit for ascending the masts of boats.
As shown in the figures it can be used in the following modes:
  fig. 1 - solo climbing, with bosun chair and hoist.
  fig. 2 - with help and bosun chair with hoist.
It works on textile halyards from 8 to 13 mm and not on wire cables.
Max operator weight: 100 kg.
Bag included.
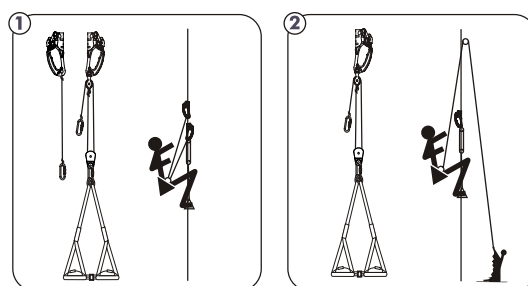
Code: MM KNG 200SET02

OSCULATI

BOSUN'S CHAIR

2309000
without board

2309100
with rigid board

Suitable for mast climbing. Made of very thick nylon fabric, filled with expanded foam, it provides safety and at the same time gives freedom of movement. Fitted with side object-holder pocket and tool rack. Available in one size only.

Code: MM OSC 2309000
MM OSC 2309100

OSCULATI

LIFE LINES FOR SAFETY BELTS

2315170

2315171

Made with special rounded edges straps and stainless steel hooks.

Code	Length m	Hooks	Breaking load
MM OSC 2315170	2,5	2 snap hooks AISI 316 100 mm	1200 kg
MM OSC 2315171	3	3 snap hooks s/s 100 mm *	2000 kg

* Professional type fitted with 1 buckle always hooked onto the lifeline, the third one alternates with the second one when it shifts.

MANSUETO MARINE

OSCULATI

EURO LIGHTLINE SAFETY BELT

2315600 **2315601**

2315602

Code	N. hooks	S.S. hooks type	Length
MM OSC 2315600	2	with safety belt	2
MM OSC 2315601	2	fast safety and anti-caughting opening	2
MM OSC 2315602	2 + 1 central	fast safety and anti-caughting opening	2

OSCULATI

SAFETY LIFE BELTS "EURO HARNESS"

2315501-02 **2315503**

Approved by EC certification type
no. CCE 809998/1.
Made of soft polyester straps with quick locking
stainless steel buckle.

Code	Size
MM OSC 2315501	adults - over 50 kg
MM OSC 2315502	kids - 20/50 kg
MM OSC 2315503	babies - up to 20 kg

OSCULATI

SAFETY BELT "EURO SPRING LINE III"

The elastic part extends from 1 metre to 2 metres + 1 metre on the fixed part.
Includes accident-proof safety carbine hooks.

Code: MM OSC 2315166

OSCULATI

ELASTIC SAFETY BELT "EURO SPRING LINE II"

It extends from 1 to 2 metres, includes accident-proof safety carbine hooks, type-approved
under certification no. PPE 400304CS/1.

Code: MM OSC 2315167

OSCULATI

ELASTIC SAFETY BELT "EURO SPRING LINE"

Stainless steel safety hooks, universal size; Type-approved by EC certification no. PPE 400304CS/2.
Min. Length: 1 m. - Max Length: 2 m.

Code: MM OSC 2315168

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SAFETY BELTS

OSCULATI

SAFETY BELTS + HARNESS COMBO, FOR MAST CLIMBING

Made of strong nylon/cordura tissue with semi-rigid padded back. Straps in high resistance soft polyester.
23.094.02 model is equipped with extra straps for legs or shoulders when used as harness so that the traction is distributed on the whole body.

Code: MM OSC 2309401
       MM OSC 2309402

2309401   **2309402**

spinlock

MAST PRO HARNESS DW-MPH

Lightweight
Quick adjust twin 'doubleback' buckles in marine grade stainless steel
Extra tough CorduraTM leg strap covers – protect against abrasion damage to harness
Ergonomic sculptured waist belt
Super wide leg straps for added comfort and lumbar support
Neoprene buckle covers prevent snagging and damage to the rig
Replaceable elastic leg straps
Tripping spike pocket
Tool attachment points

Code: MM SPN DWMPH

ABC TOOLS

SAFETY HARNESS

Type with side and back attachment - UNI-EN 361-358
With high-strength polyester thread stitching
Complete with positioning belt with comfortable, ergonomic back, height 130 mm
Adjustable polyester straps, width 45 mm
Adjustment with a single thigh-protection buckle
Side steel «D» rings with easy-sliding nylon loops
Size M÷XL

Code: MM ABC M 3466/5000

BOSUN'S CHAIR MOD. "SAILING"

PVC coated cloth. with wrap-around back
2 pockets and a storage pocket
Size. 44x43 cm
Weight: 900 gr

Code: MM TRM B1000900

Our Certified Service Station can perform your lifting gear and equipment's annual inspection on board.

Safety helmets, gloves, hooks and shackles, stretchers, slings also available.

MANSUETO MARINE

MARINE MEDICAL & FIRST AID KITS

CODE OF PRACTICE CAT "C" COMMERCIAL FIRST AID KIT (BOXED) 1998

Complies with EEC Directive 92/29
MCA approved
Complies with Codes of Practice MSN 1768 (M&f)
Multi-lingual instructions included
Re-sealable foil bag
Weight: 2,62 kg

Code: MM OCE MED0130

Code: MM OCE MED0125 (Empty first aid box)

Content	Description	Quantity
Dressings:	Small Standard Dressing No. 13 or No. 8 BPC	6
	Medium Standard Dressing No. 14 or No. 9 BPC	2
	Large Standard Dressing No. 15 BPC	2
	Sterile Paraffin Gauze Dressings BP 10 x 10 cm	10
	Calico Triangular Bandages BP 90 x 127 cm	4
	Sterile Absorbent Cotton Gauze BP 30 x 90 cm	1
Plasters:	Adhesive Elastic Dressing BP 7.5 cm x 4 m	1
	Assorted Sterile Adhesive Plasters	20
	Zinc Oxide Plaster BP 2.5 cm x 5 m	1
Miscellaneous:	Laerdal-type Pocket Mask	1
	Cetrimide Cream 0.5% W/W 50-g Tube BP	1
	Disposable Large Polythene Gloves	5 pairs
	Burn Bag approx. 46 x 31 cm	1
	Disposable or Stainless Steel Sterile Scissors	1
	Rustless Medium Safety Pins	1
	Antiseptic Wipes 0.015% with Chlorhexidine	
	H/V 0.015% Cetrimide	1
Tablets/Medicines:	Codeine Phosphate 30-mg tablets	20
	Glyceryl Trinitrate 400 mg/metered 200 dose or	1 unit
	5-mg Transdermal Patches	2
	Hyoscine Hydrobromide 0-3 mg BP Tablets	60
	Paracetamol 500-mg Tablets	50
Instructions:	Waterproof Paper in English, German, French, Spanish, Danish	1

COMMERCIAL FIRST AID CATEGORIES

- **Cat.A**: for vessels operating more than 150 miles from a port.
- **Cat.B**: for vessels operating less than 150 miles from a port but within rescue service range.
- **Cat.C**: for vessels operating less than 30 miles from a port (including lifeboats and commercial liferafts).

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INSHORE FIRST AID KIT

- It comes in a compact water resistant robust box.
- Ideal for the inshore sailor or rib user.
- Weight: 0.35 kg

Code: MM OCE MED0500

Content	Quantity
Assorted plasters	12
Eye pad	1
Triangular bandage	1
Safety pins	6
Medium sized dressing	1
Large sized dressing	1
First aid guidance leaflet	1
Alcohol free moist wipes	6
Bandage conforming 7.5cm	1
Pair disposable gloves	1
Pair tuff-cut scissors	1
Yellow clinical waste bag	1
Emergency foil blanket	1
Face shield resuscitation device	1

Contact us at info@mansuetomarine.it for other medical kits.
Quotes for Category A & B kits available on request.

EVOLUTION PLUS 2X500ML EYE WASH KIT WITHOUT MIRROR

- Features two 500ml bottles of sterile eye wash solution
- Kit also includes two sterile eye pad dressings for treating wounds
- Self supporting workbench allows kit to be opened and worked with on the bracket
- Quick release bracket and carrying handle enables kit to be taken to the incident location
- Durable hinged case includes bottle stabilizers to hold contents firmly in place

Code: MM SFA E459T

EYE CARE STATION WITH MIRROR

- Robust, wall-mounted eye wash station
- Incorporates 2x500ml bottles of sterile saline eye wash solution
- Integrated mirror is ideal for self-administration of eye wash
- Clear instruction panel indicates correct use of eye wash
- Wall fixings not supplied

Code: MM SFA E481

EYE CARE STATION WITH MIRROR

- Emergency eye irrigation for any workplace environment. Ensure you have adequate eyewash facilities at your place of work
- 0.9% sterile saline solution is ideal for irrigating eyes and general wound washing applications
- For irrigating eyes that have been contaminated with particles or liquids

Code: MM SFA E404

MANSUETO MARINE

LIFE SAVING DEVICES

Resuscitator

Code: MM VIK 1009041

- PVC Bag 1600 ml with PVC mask size 4 and overpressure valve
- Manually operated

Resuscitator SPENCER flex mask with orange PVC case

Code: MM VIK 1009043

- The oxygen port is built directly into the mask
- The one-way valve has a mouth-piece for both victim and rescuer.

Resuscitator Pack

Code: MM VIK 1025082

- Oxipack bag with 2 litre empty oxygen cylinder
- Adult oxygen mask and pressure reducer with flow select
- Delivered with empty cylinder

Defibrillator

Code: MM VIK 1057868

- Defibrillator LIFEFORCE, 5 Year, AED (Automated External Defibrillator)
- LIFEFORCE automated external defibrillator is simple to use. It guides its
user with clear verbal and visual instructions through each step of rescue.
It automatically detects when defibrillation is required, ensuring that treatment will only be delive-
red when needed.

Medical Oxygen Bottles available upon request

- New Supply

- Periodical Service, Test, Refill

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SECURITY ON BOARD

SECURITY ON BOARD

GARMIN

CCTV MARINE CAMERAS

	Code	Model	Description	Pack Contents
	MM GRM 0101137210	GCL 20	Low-Light Camera, PAL 28 x optical, 12 x digital zoom capabilities (PTZ) Dimensions: 163mm x Ø 130 mm Weight: less than 3 lbs Image resolution: 768x494	
	MM GRM 0101137211	GCL 20	Low-Light Camera, NTSC Same features as per PAL version	
	MM GRM 0101137220	GCT 20	Thermal Camera, QVGA+, 9Hz 44% more pixels than regular QVGA 1x to 8x continuous digital zoom (PTZ) Dimensions: 163mm x Ø 130 mm Weight: less than 3 lbs Image resolution: 384x288 5 definable scene models	- Video/Power/NMEA 2000 Cable - NMEA 2000 T-Connector - BNC/RCA Adapter - Installation Kit Mounting Plate - User Manual Documentation
	MM GRM 0101137221	GCT 20	Thermal Camera, QVGA+, 30Hz Same features as per QVGA+, 9Hz version	
	MM GRM 0101137230	GCT 30	Thermal Camera, VGA+, 9Hz 1x to 12x continuous digital zoom Dimensions: 163mm x Ø 130 mm Weight: less than 3 lbs Image resolution: 640x480 5 definable scene models	
	MM GRM 0101137231	GCT 30	Thermal Camera, VGA, 30Hz Same features as per VGA, 9Hz version	

Panasonic

SUPER DYNAMIC III DOME CAMERA WV-CS954

Code	Model	Description
MM PAN WVCS954	WV-CS954	Day/night surveillance dome camera 30 x optical zoom lens, 10 x digital zoom Colour and B/W Auto tracking Power: 24V AC, 60 Hz Dimensions: 9.1875" x 6.0625" Weight: 4.84 lbs

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MANSUETO MARINE

Panasonic

SUPER DYNAMIC HD DOME NETWORK CAMERA WV-SW355

Code	Model	Description
MM PAN WVSW355	WV-SW355	Vandal resistant fixed dome network camera True day/night, colour Face detection Lens: 2.8-10mm HD resolution 1280x960 H.264 (High profile) dual stream and JPEG output Power: 12V DC Dimensions: $6^{15}/_{32}$" x $7^9/_{16}$" (H x W) Weight: 3.53 lbs

Panasonic

VANDAL PROOF WATER / DUST RESISTANT DOME CAMERA WV-CW364

Code	Model	Description
MM PAN WVCW364	WV-CW364	Water and dust resistant IP66 dome camera Vandal proof for high reliability Day/night technology 3 way hinge (horizontal, vertical and swivel rotation) Colour and B/W mode Focal length of lens 2.8 mm-10mm Dimensions: ø164 mm x 146 mm (H), 191.5 mm (Base Cover) Weight: 2.31 lbs

RAT GUARDS

Code	Description	Suitable for:
MM SWI 1122	Rat Guard PVC/polystyrene D.30 cm	lines up to D.30mm
MM SWI 1124	Rat Guard PVC/polystyrene D.45 cm	lines up to D.45mm
MM SWI 1125	Rat Guard PVC/polystyrene D.75 cm	lines up to D.75mm

RAT GUARDS

Code	Description
MM TRM N3510180	Clear plastic rat guard, UV resistant
MM CAC788A	Zinc plated rat guard D.60cm

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SECURITY ON BOARD

High Security Fencing:

› **Galvanized Steel Z275 (G90)**
› **Stainless Steel AISI 430**
› **Stainless Steel AISI 304**

CONCERTINA ® ARROW BLADES
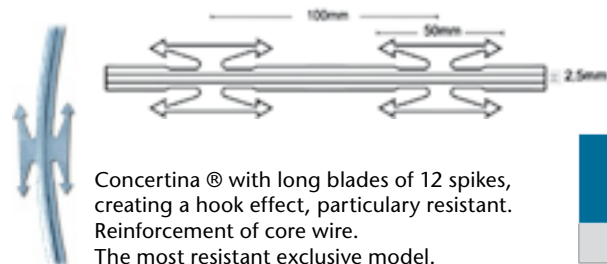
Concertina ® with long blades of 12 spikes, creating a hook effect, particulary resistant. Reinforcement of core wire. The most resistant exclusive model.

Code	Thickness	Wire Diameter	Blade Length	Blade Width	Distance Between Blades
MM ESF AB	0,5mm	2,5mm	50mm	36mm	100mm

CONCERTINA ® 10
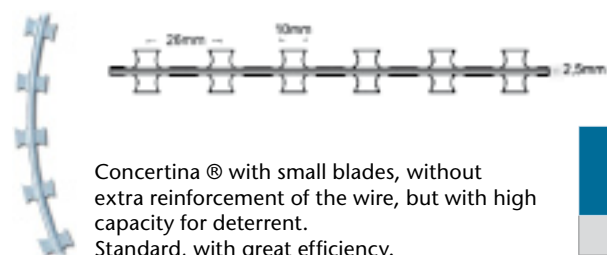
Concertina ® with small blades, without extra reinforcement of the wire, but with high capacity for deterrent. Standard, with great efficiency.

Code	Thickness	Wire Diameter	Blade Length	Blade Width	Distance Between Blades
MM ESF 10	0,5mm	2,5mm	10mm	13mm	26mm

Concertina ® 15 model also available: blade length and width 15 mm, distance between blades 33 mm.

CONCERTINA ® 22
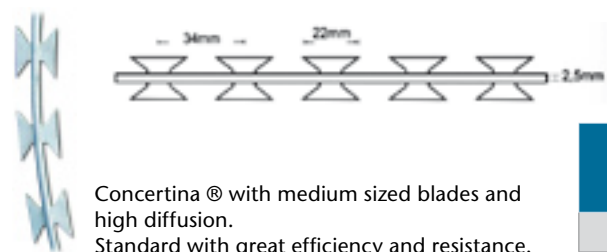
Concertina ® with medium sized blades and high diffusion. Standard with great efficiency and resistance.

Code	Thickness	Wire Diameter	Blade Length	Blade Width	Distance Between Blades
MM ESF 22	0,5mm	2,5mm	22mm	15mm	34mm

Other types of security fencing, wide range of blades for several uses and installations, available according to your needs.

MANSUETO MARINE
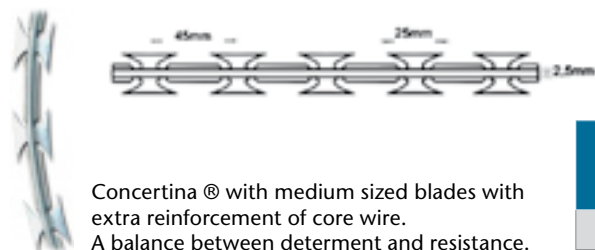
CONCERTINA ® 25

Concertina ® with medium sized blades with extra reinforcement of core wire.
A balance between determent and resistance.

Code	Thickness	Wire Diameter	Blade Length	Blade Width	Distance Between Blades
MM ESF 25	0,5mm	2,5mm	25mm	16mm	40mm

Concertina ® 28 model also available: blade length 28 mm, width 16 mm, distance between blades 33 mm.

CONCERTINA ® L-TYPE
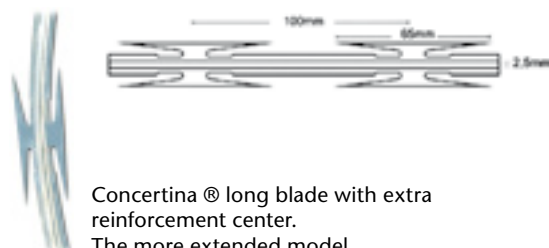
Concertina ® long blade with extra reinforcement center.
The more extended model.

Code	Thickness	Wire Diameter	Blade Length	Blade Width	Distance Between Blades
MM ESF LTYPE	0,5mm	2,5mm	65mm	21mm	100mm

CONCERTINA ® H TYPE
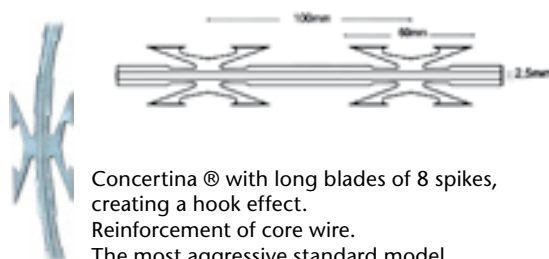
Concertina ® with long blades of 8 spikes, creating a hook effect.
Reinforcement of core wire.
The most aggressive standard model.

Code	Thickness	Wire Diameter	Blade Length	Blade Width	Distance Between Blades
MM ESF H	0,5mm	2,5mm	60mm	30mm	100mm

CONCERTINA ® SUPER H TYPE
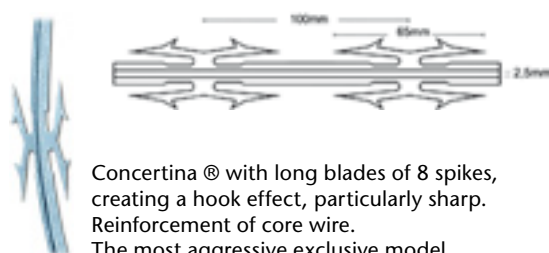
Concertina ® with long blades of 8 spikes, creating a hook effect, particularly sharp.
Reinforcement of core wire.
The most aggressive exclusive model.

Code	Thickness	Wire Diameter	Blade Length	Blade Width	Distance Between Blades
MM ESF SH	0,5mm	2,5mm	65mm	30mm	100mm

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IMO SIGNS

Material:
› a) Photoluminescent, self adhesive vinyl (AL)
› b) Photoluminescent, rigid PVC (RL)

Standard sizes (mm):	A: 75x75	D: 300x100	N: 500x500	S: 390x130
	B: 50x50	E: 150x200	P: 75x150	T: 450x100
	C: 150x150	F: 200x200	Q: 300x300	Y: 300x150

Lifeboat
MM CAI CA4500CNQ

Rescue Boat
MM CAI CA4501C

Liferaft
MM CAI CA4502C

Davit Launched Liferaft
MM CAI CA4503C

Embarkation Ladder
MM CAI CA4504C

Evacuation Slide
MM CAI CA4505C

Lifebuoy
MM CAI CA4506C

Lifebuoy With Line
MM CAI CA4507C

Lifebuoy With Light
MM CAI CA4508C

Lifebuoy W/light & Smoke
MM CAI CA4509C

Lifejacket
MM CAI CA4510CABQ

Child's Lifejacket
MM CAI CA4511CB

Immersion Suit
MM CAI CA4512C

Survival Craft Portable Radio
MM CAI CA4513C

Epirb
MM CAI CA4514C

Radar Transponder
MM CAI CA4515C

Survival Craft Distress Signal
MM CAI CA4516C

Rocket Parachute Flares
MM CAI CA4517C

Line Throwing Appliance
MM CAI CA4518C

Muster Station
MM CAI CA4519CNQ

Evacuation Chute
MM CAI CA4112C

Stretcher
MM CAI CA6562C

Thermal Protective Aid
MM CAI CA4121C

Anti-Exposure Suit
MM CAI CA4113C

Breathing Apparatus
MM CAI CA4101CAB

Infant Lifejacket
MM CAI CA4119CB

Medical Locker
MM CAI CA6550C

Number "0"
MM CAI CA6520P-Y

Number "1"
MM CAI CA6521P

Number "2"
MM CAI CA6522P-Y

Number "3"
MM CAI CA6523P-Y

Number "4"
MM CAI CA6524P-Y

Number "5"
MM CAI CA6525P

Number "6"
MM CAI CA6526P-Y

Number "7"
MM CAI CA6527P-Y

Number "8"
MM CAI CA6528P-Y

Number "9"
MM CAI CA6529P-R

Letter "A"
MM CAI CA6530P-Y

Letter "B"
MM CAI CA6531P-Y

Letter "C"
MM CAI CA6532P-Y

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IMO SIGNS

Safety Locker
MM CAI CA4114C

Lifejackets Under Seats
MM CAI CA4237E

Emergency Shower
MM CAI CA4108C

Emergency Eye Wash
MM CAI CA4107C

Emergency Telephone
MM CAI CA4103C

Emergency Stop
MM CAI CA6563C

General Alarm
MM CAI CA4115C

First Aid
MM CAI CA4236E

First Aid
MM CAI CA4313D

Stretcher
MM CAI CA4309D

Emergency Equipment
MM CAI CA4302D

Protective Equipment
MM CAI CA4319D

Safe For Entry
MM CAI CA4320D

Emergency Shower
MM CAI CA4308D

Emergency Eye Wash
MM CAI CA4307D

Emergency Telephone
MM CAI CA4303D

Emergency Stop
MM CAI CA4311D

Drinking Water
MM CAI CA4306D

Pollution Control
Equipment
MM CAI CA4318D

Breathing Apparatus
MM CAI CA4301D

Smoke Hood
MM CAI CA4314D

Safety Equipment
MM CAI CA4325D

Smoking Area
MM CAI CA4317D

Eating and Drinking Area
MM CAI CA4328D

Break Glass In Emergency
MM CAI CA4329D

Escape Ladder
MM CAI CA4312D

Helideck
MM CAI CA4316D

Safety Arrow Straight
MM CAI CA4322D

Escape Ladder
MM CAI CA6571C

Shower
MM CAI CA4108C

Exit/run Left/arrow Up/left
MM CAI CA4601S

Exit Left-man Run
Right-arrow Up
MM CAI CA4602S

Exit Right-man Run
Left-arrow Up/left
MM CAI CA4603S

Exit Left-man Run
Right-arrow Up/right
MM CAI CA4604S

Exit Right-man Run
Left-arrow Left
MM CAI CA4605S

Exit Left-man Run
Right-arrow Right
MM CAI CA4606S

Exit Right-man Run
Left-arrow Down/left
MM CAI CA4607S

Exit Left-man Run
Right-arrow Down/right
MM CAI CA4608S

Exit/run Left/arrow Left
Down
MM CAI CA4609S

Exit Left-man Run
Right-arrow Down
MM CAI CA4610S

Exit/run Man Left
MM CAI CA4611S

Exit Left-man Run Right
MM CAI CA4612S

Emergency Exit/run Man
Left
MM CAI CA4619Y

Emergency Exit/run Man
Right
MM CAI CA4618Y

Escape Route
MM CAI CA4617T

Escape Hatch
MM CAI CA4614T

Escape Door
MM CAI CA4615T

Escape Window
MM CAI CA4616T

IMO SIGNS

Lifeboat with arrow Up Left
MM CAI CA4626D

Lifeboat with arrow Up Right
MM CAI CA4632D

Lifeboat with arrow diagonally Up Left
MM CAI CA4627D

Lifeboat with arrow diagonally Up Right
MM CAI CA4630D

Lifeboat with arrow Left
MM CAI CA4624D

Lifeboat with arrow Right
MM CAI CA4631D

Lifeboat with arrow diagonally Down Left
MM CAI CA4628D

Lifeboat with arrow diagonally Down Right
MM CAI CA4629D

Lifeboat with arrow Down Left
MM CAI CA4625D

Lifeboat with arrow Down Right
MM CAI CA4633D

Straight Arrow
MM CAI CA6551C

Diagonal Arrow
MM CAI CA6552C

Emergency Door Operation Push to open
MM CAI CA4647D

Emergency Door Operation Pull to open
MM CAI CA4648D

Slide To Open Left
MM CAI CA4645D

Slide To Open Right
MM CAI CA4646D

Refuge Point
MM CAI CA4111C

Refuge Point Left
MM CAI CA4662Y

Refuge Point Right
MM CAI CA4661Y

Mobility Impaired Sign
MM CAI CA4665D

Exit
MM CAI CA4109C

Exit
MM CAI CA4621Y

Man Run Right
MM CAI CA6572C

Exit Person Left
MM CAI CA6573C

Manually Operated Call Point

MM CAI CAFCS304C

Foam Fire Extinguisher

MM CAI CAFCS279C

Space Or Group Of Spaces Protected By Foam Fire Extinguishing System

MM CAI CAFCS294C
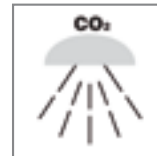
Space Or Group Of Spaces Protected By CO2 Fire Extinguishing System

MM CAI CAFCS293C
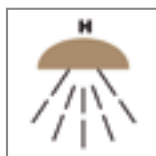
Space Or Group Of Spaces Protected By Gas other than CO2 Fire Extinguishing System

MM CAI CAFCS295C
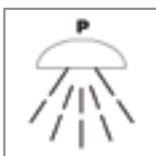
Space Or Group Of Spaces Protected By Powder Fire Extinguishing System

MM CAI CAFCS296C

Space Or Group Of Spaces Protected By Water Fire Extinguishing System

MM CAI CAFCS297C

Space Or Group Of Spaces Protected By Sprinkler or High Pressure Water Fire Ext. System

MM CAI CAFCS298C

Safety Plan

MM CAI CAFCS092C

Fire Control Plan

MM CAI CAFCS001C

Push-Button / Switch for Fire Alarm

MM CAI CAFCS002C

Horn Fire Alarm

MM CAI CAFCS004C

Bell Fire Alarm

MM CAI CAFCS003C

Manually Operated Call Point

MM CAI CAFCS005C

Space Protected By Automatic Firealarm

MM CAI CAFCS006C
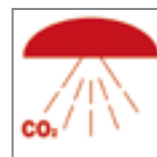
Space Protected By CO2

MM CAI CAFCS007C

CO2 Horn

MM CAI CAFCS008C
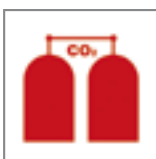
CO2 Release Station

MM CAI CAFCS009C

Halon 1301 Battery

MM CAI CAFCS010C

Space Protected By Halon 1301

MM CAI CAFCS011C

Halon Horn

MM CAI CAFCS012C

Foam Installation

MM CAI CAFCS013C

Foam Monitor (Gun)

MM CAI CAFCS014C

Foam Nozzle

MM CAI CAFCS015C

Space Protected By Foam	Foam Valve	Foam Release Station	Emergency Fire Pump
MM CAI CAFCS016C	MM CAI CAFCS017C	MM CAI CAFCS018C	MM CAI CAFCS019C
Remote Controlled Fire Pumps or Emergency Switches	Bilge Pump	Emergency Bilge Pump	Water Monitor (Gun)
MM CAI CAFCS020C	MM CAI CAFCS021C	MM CAI CAFCS022C	MM CAI CAFCS023C
Water Fog Applicator	Emergency Telephone Station	Fire Axe	Drenching Installation
MM CAI CAFCS024C	MM CAI CAFCS025C	MM CAI CAFCS026C	MM CAI CAFCS027C
Space Protected By Drenching System	Section Valves Drenching	Fire Station	"A" Class Division
MM CAI CAFCS028C	MM CAI CAFCS029C	MM CAI CAFCS030C	MM CAI CAFCS031C
"A" Class Fire Door	"A" Class Fire Door Self Closing	"A" Class Fire Door	"A" Class Fire Door Self-closing
MM CAI CAFCS032C	MM CAI CAFCS033C	MM CAI CAFCS034C	MM CAI CAFCS035C
Portable Foam Applicator	"B" Class Division	"B" Class Fire Door	"B" Class Fire Door Self Closing
MM CAI CAFCS036C	MM CAI CAFCS037C	MM CAI CAFCS038C	MM CAI CAFCS039C
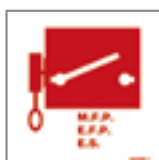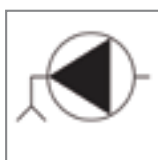
MANSUETO MARINE

"B" Class Fire Door

MM CAI CAFCS040C
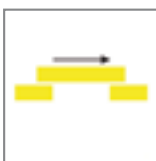
"B" Class Fire Door Self-Closing

MM CAI CAFCS041C
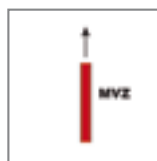
Main Vertical Zone

MM CAI CAFCS042C

Fire Alarm Panel

MM CAI CAFCS043C

Sprinkler Installation

MM CAI CAFCS044C

Space Protected By Sprinkler

MM CAI CAFCS045C

Sprinkler Horn

MM CAI CAFCS046C

Sprinkler Section Valve

MM CAI CAFCS047C
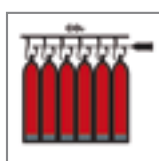
CO_2 Battery

MM CAI CAFCS048C

Halon Release Station

MM CAI CAFCS049C
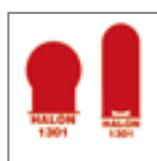
Halon 1301 Bottles In Protected Area

MM CAI CAFCS050C

Powder Installation

MM CAI CAFCS051C

Powder Monitor

MM CAI CAFCS052C

Powder Hose and Hand Gun

MM CAI CAFCS053C

Powder Release Station

MM CAI CAFCS054C

Flame Detector

MM CAI CAFCS055C

Smoke Detector

MM CAI CAFCS056C

Fire Main With Valves

MM CAI CAFCS057C

Hose Box With Spray/Jet

MM CAI CAFCS058C
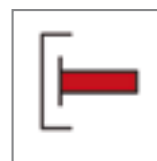
International Shore Connection

MM CAI CAFCS059C
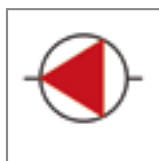
Fire Pump

MM CAI CAFCS060C

Heat Detector

MM CAI CAFCS061C

Gas Detector

MM CAI CAFCS062C
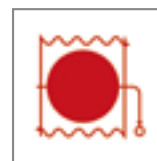
Fire Damper In Vent Duct

MM CAI CAFCS063C

Remote Controlled Skylights

MM CAI CAFCS064C

Remote Controlled Fuel / Lubrificating Oil Valves

MM CAI CAFCS065C

Control Station

MM CAI CAFCS066C

Locker With Fireman's Outfit

MM CAI CAFCS067C

Locker With Additional Breathing Apparatus

MM CAI CAFCS068C

Locker With Additional Protective Clothing

MM CAI CAFCS069C
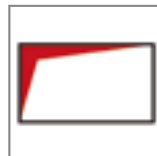
Primary Means Of Escape

MM CAI CAFCS070C

Secondary Means Of Escape

MM CAI CAFCS071C

Closing Appliance For Ext. Ventilator Inlet and Outlet

MM CAI CAFCS072C

Inert Gas Installation

MM CAI CAFCS073C

High Expansion Foam Supply Tank

MM CAI CAFCS074C

CO2 Nitrogen Bulk Installation

MM CAI CAFCS075C

Emergency Generator

MM CAI CAFCS076C
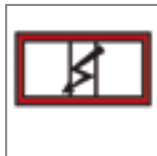
Emergency Switchboard

MM CAI CAFCS077C

Remote Ventilation Shutoff

MM CAI CAFCS078C

Powder Fire Extinguisher

MM CAI CAFCS079C

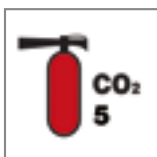Foam Fire Extinguishers

MM CAI CAFCS080C

Halon 1211 Fire Extinguisher

MM CAI CAFCS082C
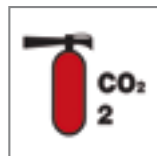
CO2 Fire Extinguisher

MM CAI CAFCS083C

Powder Fire Extinguisher

MM CAI CAFCS085C

CO2 Fire Extinguisher

MM CAI CAFCS084C

Powder Fire Extinguisher

MM CAI CAFCS086C

Wheeled Powder Fire Extinguisher

MM CAI CAFCS087C

Wheeled CO2 Fire Extinguisher

MM CAI CAFCS088C

MANSUETO MARINE

Powder Fire Extinguisher

MM CAI CAFCS287C

Foam Fire Extinguisher

MM CAI CAFCS081C

Spare Charges for Fire Extinguisher

MM CAI CAFCS098C

Wheeled Foam Fire Extinguisher

MM CAI CAFCS091C

Fire Arrow

MM CAI CA6555C

Fire Arrow

MM CAI CA6556C

Fire Extinguisher

MM CAI CA5101C

Fire Alarm

MM CAI CA5102C

Fire Hose Reel

MM CAI CA5103C

Fire Point

MM CAI CA5104C

Fire Phone

MM CAI CA5105C

Fire Extinguisher

MM CAI CA5152E

Fire Alarm

MM CAI CA5153E

Fire Hose Reel

MM CAI CA5154E

Fire Point

MM CAI CA5155E

Fire Phone

MM CAI CA5105E

Fire Extinguisher

MM CAI CA5106D

Fire Alarm

MM CAI CA5107D

Fire Alarm Call Point

MM CAI CA5108D

In Case of Fire Break Glass

MM CAI CA5109D

Fire Hose

MM CAI CA5110D

Fire Hose Reel

MM CAI CA5111D

Open Valve Before Running Out Hose

MM CAI CA5134D

Fire Point

MM CAI CA5112D

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IMO SIGNS

Fire Fighting Equipment Stored Inside
MM CAI CA5114D

Fire Blanket
MM CAI CA5115D

To Be Used Only in Case of Fire
MM CAI CA5131D

Sprinkler Stop Valve
MM CAI CA5132D

Sprinkler Control Valve
MM CAI CA5120D

Open This Valve in Event of Fire
MM CAI CA5133D

Foam Inlet
MM CAI CA5156D

Fire Telephone
MM CAI CA5118D

Firemans Suit
MM CAI CA5117D

Fire Pump Start Button
MM CAI CA5119D

Fire Flap
MM CAI CA5121D

For Use on Any Fires
MM CAI CA5135D

For Use on Flammable Liquid Fires
MM CAI CA5136D

For Use on Electrical Fires
MM CAI CA5137D

Number "0"
MM CAI CA6630A

Number "1"
MM CAI CA6631A

Number "2"
MM CAI CA6632A

Number "3"
MM CAI CA6633A

Number "4"
MM CAI CA6634A

Number "5"
MM CAI CA6635A

Number "6"
MM CAI CA6636A

Number "7"
MM CAI CA6637A

Number "8"
MM CAI CA6638A

Number "9"
MM CAI CA6639A

In Case of Fire Use Stairs

MM CAI CA5128F-AL

Missing

MM CAI CA5140L-AL

Fire Extinguisher Water

MM CAI CA5122E

Fire Extinguisher Foam

MM CAI CA5123E

Fire Extinguisher Powder

MM CAI CA5124E

Fire Extinguisher CO2

MM CAI CA5125E

Fire Blanket

MM CAI CA5126E

Fire Extinguisher Double Face

MM CAI CA5148Y-RL

Fire Alarm Double Face

MM CAI CA5149Y-RL

Fire Hose Reel Double Face

MM CAI CA5147Y-RL

Fire Point Double Face

MM CAI CA5146Y-RL

Attention

MM CAI CA4815C

Wear Helmet

MM CAI CA4806C

High Visibility Clothing

MM CAI CA4841C

Wear Goggles

MM CAI CA4803C

Wear Face Shield

MM CAI CA4808C

Wear Mask

MM CAI CA4807C

Wear Respirator

MM CAI CA4805C

Wear Ear Protection

MM CAI CA4804C

Wear Gloves

MM CAI CA4801C

Wear Boots

MM CAI CA4802C

Wear Protective Clothing

MM CAI CA4839C

Wear Safety Harness

MM CAI CA4846C

Lift Correctly

MM CAI CA4813C

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Wash Your Hands
MM CAI CA4811C

Guards Must Be In Position Before Starting
MM CAI CA4809C

Lifejackets
MM CAI CA4840C

Think Safety
MM CAI CA4726D

Protective Clothing Must Be Worn In This Area
MM CAI CA4723D

Personal Protective Equipment is Provided Use It
MM CAI CA4724D

Comply With Regulations
MM CAI CA4722D

Wear Helmet
MM CAI CA4819E

Head Protection Must Be Worn
MM CAI CA4818E

Eye Protection Must Be Worn
MM CAI CA4823E

Wear Goggles
MM CAI CA4843E

Wear Face Shield
MM CAI CA4825E

Wear Mask
MM CAI CA4834E

Ear Protection Must Be Worn in This Area
MM CAI CA4830E

Ear Protection Must Be Worn
MM CAI CA4832E

Wear Ear Protection
MM CAI CA4831E

Wear Gloves
MM CAI CA4816E

Boots Must Be Worn
MM CAI CA4815E

Wear Protective Clothing
MM CAI CA4842E

Lift Correctly
MM CAI CA4821E

Now Wash Your Hands
MM CAI CA4828E

Guards Must Be in Position Before Starting
MM CAI CA4820E

Eye Protection Is Provided For Your Safety & Must Be Worn
MM CAI CA4822E

Wear Respirator
MM CAI CA4833E

Face Protection Must Be Worn in This Area

MM CAI CA4839E

This Is A Safety Helmet Area

MM CAI CA4817E

Eye Protection Must Be Worn in This Area

MM CAI CA4824E

Face Protection Must Be Worn When Welding

MM CAI CA4826E

Lifejacket Must Be Worn At All Times

MM CAI CA4836E

High Visibility Clothing Must Be Worn

MM CAI CA4837E

Keep Clear Exit For Emergency Escape Route

MM CAI CA4721C

This Door Must Be Kept Closed

MM CAI CA4720C

Keep Clear

MM CAI CA4719C

Close This Door At Night

MM CAI CA4718C

Close These Doors At Night

MM CAI CA4717C

This Door To Be Kept Locked When Not In Use

MM CAI CA4716C

To Be Kept Unlocked During Working hours

MM CAI CA4715C

Fire Door Keep Locked Shut

MM CAI CA4714C

Automatic Fire Door Keep Clear

MM CAI CA4713C

Staircase Must Be Kept Clear At All Times

MM CAI CA4712C

Fire Escape Keep Clear

MM CAI CA4711C

Gangway Keep Clear

MM CAI CA4710C

Fire Door Keep Shut

MM CAI CA4709C

Keep Locked Shut When Not In Use

MM CAI CA4708C

Keep Clear When Door Is Closing

MM CAI CA4707C

This Hatch Must Be Kept Closed At Sea

MM CAI CA4706C

This Door Must Be Kept Closed At Sea

MM CAI CA4705C

Watertight Door Keep Shut

MM CAI CA4704C

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IMO SIGNS

Automatic Watertight Door Keep Clear

MM CAI CA4703C

Ensure This Door Is Fully Closed

MM CAI CA4702C

Exit Keep Clear

MM CAI CA4701C

Emergency Exit Keep Clear

MM CAI CA4727S

Escape Route Keep Clear At All Times

MM CAI CA473S

Accidents Must Be Reported

MM CAI CA4725D

Ventilation To Be Used Prior To Entry

MM CAI CA4738D

No Fire Loop Isolated

MM CAI CA4742D

All Visitors To Report To Duty Officer

MM CAI CA4743D

Keep Clear

MM CAI CA4734E

Keep Shut

MM CAI CA4735E

When Plant Is Not in Use Gas Cylinder Valves Shall Be Shut

MM CAI CA4736E

Adjust Pressure According To The Torch In Use

MM CAI CA4746E

Secure Painter To Strong Point Before Launching

MM CAI CA4747E

Emergency Evacuation Instructions

MM CAI CA4739M

Emergency Instructions For Passengers

MM CAI CA4740M

Man Overboard

MM CAI CA4732E

Emergency Evacuation Instructions

MM CAI CA4731E

Keep Locked

MM CAI CA4848E

Stack Goods Correctly

MM CAI CA4850E

Contact us for special and customed-sized IMO signs.

SAFETY AWARENESS & TRAINING POSTERS
and other IMO symbols with or without text also available.

MANSUETO MARINE

DIRECTION FLOW TAPES

PIPE IDENTIFICATION TAPES

Pipes marking system in accordance with ISO 14726 (1-2), BS 1710 and BS 4800 regulations.

Material: vynil tapes
Dimensions: rolls 50 MM x 50 MT

Dark Green	Grey	Maroon	Yellow Ocre
MM CAI CA9101	MM CAI CA9102	MM CAI CA9103	MM CAI CA9104
Violet	Light Blue	Black	Orange
MM CAI CA9105	MM CAI CA9106	MM CAI CA9107	MM CAI CA9108
Red	Crimson	Emerald Green	White
MM CAI CA9111	MM CAI CA9114	MM CAI CA9115	MM CAI CA9117
Blue	Golden Brown	Flow Arrows	Silver
MM CAI CA9118	MM CAI CA9120	MM CAI CA9130	MM CAI CA9131

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FLAGS

FABRIC	INTERNATIONAL CODE FLAGS*, STANDARD SIZES (cm)	NATIONAL AND MERCHANT FLAGS, STANDARD SIZES (cm)
100% Polyester bunting	20x30	20x30
	30x45	30x45
	40x60	40x60
	50x75	50x75
	70x100	60x73
	80x120	80x98
	100x150	80x120
	130x200	100x150
	150x225	120x160
	200x300	140x170

Custom sizes, different fabric, special embroidery available on request.
*International Code Flags or Signaling Flags can be sold both singularly and in sets.

INTERNATIONAL CODE FLAGS

A
Alfa flag
Diver Down Keep Clear

B
Bravo flag
Dangerous Cargo

C
Charlie flag
Yes

D
Delta flag
Keep Clear

E
Echo flag
Altering Course to Starboard

F
Foxtrot flag
Disalbled

G
Golf flag
Want a Pilot
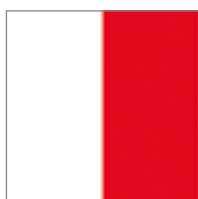
H
Hotel flag
Pilot on Board
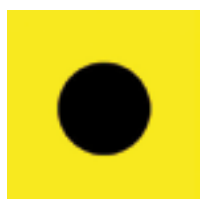
I
India flag
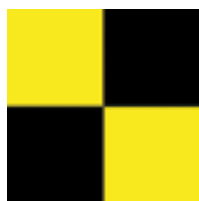Altering Course to Port

J
Juliet flag
On Fire Keep Clear

K
Kilo flag
Desire to Communicate

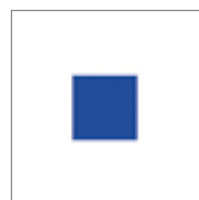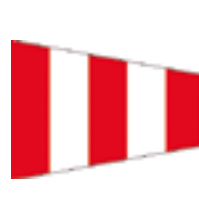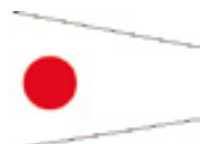|			
L	**M**	**N**	**O**
Lima flag Stop Instantly	Mike flag I am Stopped	November flag No	Oscar flag Man Overboard
P	**Q**	**R**	**S**
Papa flag About to Sail	Quebec flag Request Pratique	Romeo flag Boat Signal Procedure	Sierra flag Engines Going Astern
T	**U**	**V**	**W**
Tango flag Keep Clear	Uniform flag Standing into Danger	Victor flag Require Assistance	Whiskey flag Require Medical Assistance
X	**Y**	**Z**	
Xray flag Stop Your Intention	Yankee flag Am Dragging Anchor	Zulu flag Require a Tug	Answering flag Code Pennant
Number 0 flag	Number 1 flag	Number 2 flag	Number 3 flag
Number 4 flag	Number 5 flag	Number 6 flag	Number 7 flag
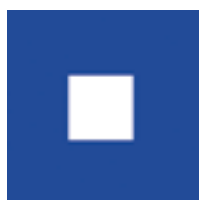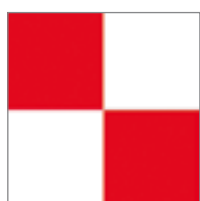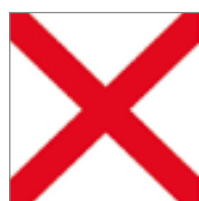
Number 8 flag

Number 9 flag

First Substitute/Repeater flag
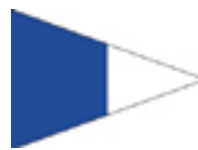
Second Substitute/Repeater flag

Third Substitute/Repeater flag

Fourth Substitute/Repeater flag

International Code Flag Set

NATIONAL AND MERCHANT FLAGS

Cayman Islands flag

Isle of Man flag

Saint Vincent And The Grenadines flag

Luxembourg flag

Bermuda flag

British Virgin Islands flag

Marshall Islands flag

Bahamas flag

Guernsey flag

Panama flag

United Kingdom flag

Malta flag

Italy (civil) flag

Italy (commercial) flag

Spain (civil) flag

Spain (commercial) flag

France flag

Monaco flag

Croatia flag

Portugal flag

New Zealand flag

Turkey flag

Greece flag

Venice flag

Sicily flag

Sardinia flag

Corsica flag

Contact us
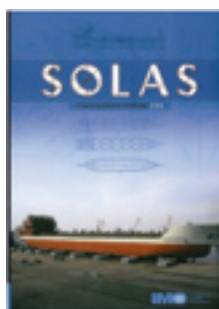## for other type or country flags

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www.captainmarine.it

Find your nearest **CMS**
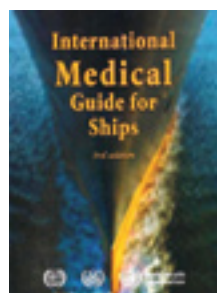
PUBLICATIONS

PUBLICATIONS

IMO PUBLICATIONS

SOLAS Consolidated Edition

Code: MM CAI IE110E

ILO/IMO/WHO
International medical guide for
ships

Code: MM CAI I115E

International Safety Management
Code (ISM Code) and guidelines
on implementation of the ISM
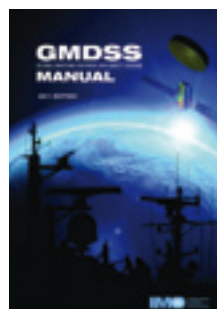code

Code: MM CAI IB117E
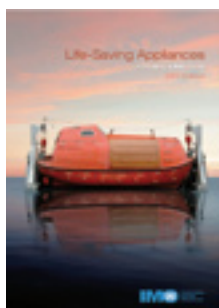
Guide to maritime security and
the ISPS code

Code: MM CAI IA116E

International code for fire safety
systems (FSS Code)

Code: MM CAI IA155E

Global maritime distress and
safety system manual (GMDSS
Manual)

Code: MM CAI IE970E

International life-saving applian-
ces code (LSA Code)

Code: MM CAI ID982E

International code of signals

Code: MM CAI IA994E
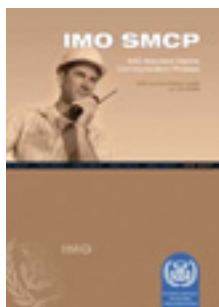
Imo standard marine
communication phrases
(IMO SMCP)

Code: MM CAI IA987E

MARPOL Consolidated Edition

Code: MM CAI IC520E

AMENDMENTS are issued periodically, ask for availability

Other editors publications available on request

Marine Guidance Notes (MGN)
Full list of MCA Guidance publications available at releasing date,
regularly update with latest notes

LOG BOOKS

Chief Officer
Log Book
Clutha 3 Months

Code:
MM CAI BR200

Chief Officer
Log Book
Clutha 6 Months

Code:
MM CAI BR201

Compass Log Book

Code:
MM CAI REG067

GMDSS Radio Log Book   Code: MM CAI REG080

Medical Log Book   Code: MM CAI REG063

Garbage Log Book   Code: MM CAI REG044

Visitors Log Book

Code: MM CAI REG007

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Notes

Wish List _____

Drawings / Sketches

Memo ....
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